



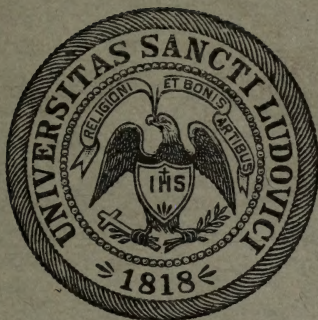
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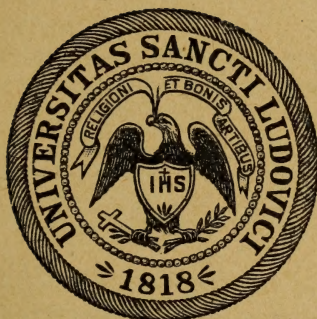


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# University Calendar

1921.

February 1.	Second Semester begins.
February 21.	Disputations—Divinity.
February 22.	Washington's Birthday.
February 23.	Disputations—Philosophy.
February 26.	Annual Retreat for Professional Schools.
March 1.	Catechetical Essay Announced.
March 16.	Intercollegiate English Contest.
March 21.	Annual Retreat—Arts and Sciences.
March 24.	Easter Recess.
March 27.	Easter.
April 4.	Intercollegiate Latin Contest.
April 6.	Thesis Day—Law.
April 26.	Oratorical Contest.
May 9.	Examinations—Law.
May 10.	Elocution Contest.
May 11.	Examinations—Senior Medical.
May 20.	Examinations—Medical and Dental.
May 31-June 5.	Annual Commencements.
September 12.	Registration—Arts and Sciences.
September 12-13.	Entrance Examinations and Registration— Law.
September 19.	Session begins—Night Law.
September 26.	Session begins—Day Law.
September 26.	Sodalities Reorganize.
September 28.	Solemn Mass of the Holy Ghost.
October 3.	Session begins—Medical and Dental.
October 3.	Session begins—Commerce and Finance.
October 10.	First Semester—Post-Graduate Law.
November 17.	Solemn Requiem Mass for deceased Professors and Students.
November 22-23.	Disputations—Divinity and Philosophy.
November 24.	Thanksgiving Day.
December 23.	Christmas Recess begins.

1922.

January 3.	Classes Resumed.
January 17.	Mid-Year Examination.



A. M. D. G.

## St. Louis University

This institution, controlled and directed by the Fathers of the Society of Jesus, was incorporated as a University under the act of the Legislature of the State of Missouri, December 28, 1832, under the corporate title of

"ST. LOUIS UNIVERSITY,"

and empowered to confer degrees and academical honors in all the learned professions; and generally "to have and enjoy all the powers, rights and privileges exercised by literary institutions of the same rank."

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- PAUL F. O'BRIEN, D. D. S., 3564 Caroline St.  
Instructor in Prosthetic Dentistry.
- REV. FRANCIS J. O'BOYLE, S. J., A. M., University.  
Dean of Schools of Divinity and Philosophy.  
Professor of Moral Theology.
- WILLIAM RAYMOND O'DONNELL, S. J. A. B. Florissant, Mo.  
Instructor in Greek.
- REV. BERNARD J. OTTEN, S. J., A. M., University.  
Professor of Dogmatic Theology.
- REV. BERNARD J. OTTING, S. J., A. M., University.  
Professor of Dogmatic Theology.
- ELBERT B. OWEN, D. D. S., Frisco Building.  
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\*Deceased.

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- CLAUD O. PEARCY, LL. B., Institute of Law.  
Code Pleading.
- DAVID B. PETER, C. P. A., 3rd National Bank Building.  
Lecturer on Cost Accounting.
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Instructor in Ear, Nose and Throat Diseases.
- REV. PATRICK J. PHILLIPS, S. J., A. M., Florissant, Mo.  
Instructor in Latin, Student Adviser.
- CLAUDE D. PICKRELL, A. B., M. D., Century Building.  
Assistant in Genito-Urinary Diseases.
- AUGUSTUS G. POHLMAN, M. D., 1402 S. Grand Avenue.  
Professor of Anatomy and Director of the Department.
- REV. WILLIAM F. POLAND, S. J., A. M., University.  
Professor Emeritus of Metaphysics.
- CARL A. POWELL, M. D., 5660 Kingsbury Blvd.  
Assistant in Medicine.
- MADISON A. PULLIAM, M. D., 3933 S. Broadway.  
Assistant in Surgery.
- ALPHONSE J. RAEMDONCK, B. S., M. D., 10 North Grand Ave.  
Instructor in Medicine.
- LOUIS RASSIEUR, M. D., University Club Building.  
Associate Professor of Surgery.
- HARRY A. RATHBUN, D. D. S., Metropolitan Building.  
Professor of Operative Dentistry.
- \*JOSEPH J. REILLY, A. B., M. D., Wall Building.  
Instructor in Medicine.
- CHARLES E. RILEY, LL. B., Arcade Building.  
Lecturer on Law.
- JOHN E. RILEY, D. R. Francis, Bro. & Co.  
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Assistant in Surgery.

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\*Absent on leave.

- LAWRENCE M. RIORDAN, M. D., 536 N. Taylor Ave.  
Assistant in Obstetrics.
- ALEXANDER H. ROBBINS, LL. B., Institute of Law.  
Advocacy, Evidence, Conflict of Laws, Real Property.
- RALPH B. RODE, D. D. S., Frisco Building.  
Lecturer on Exodontia.
- FRANK C. RODGERS, D. D. S., Wall Building.  
Professor of Orthodontia.
- THEODORE H. ROMEISER, M. D., Metropolitan Building.  
Instructor in Mental and Nervous Diseases.
- HARRY S. ROOKS, LL. B., Institute of Law.  
Common Law Pleading.
- HERMAN CHARLES ROSS, A. B., M. D., 1527 E. Grand Ave.  
Instructor in Medicine.
- JULIUS A. ROSSEN, M. D., Wall Building.  
Assistant in Pediatrics.
- \*REV. ALOYSIUS J. ROTHER, S. J., A. M., University.  
Professor of Logic and Ontology.
- GEORGE RUEPPEL, S. J., University.  
Librarian.
- REV. WILLIAM J. RYAN, S. J., A. M., M. S., University.  
Professor of Mathematics.
- CHARLES M. SANDOVAL, A. B., 315 National Bank Bldg.  
Professor, Extension Course.
- L. ROY SANTE, M. D., 1402 S. Grand Avenue.  
Instructor in Radiology, School of Medicine.
- HENRY J. SCHERCK, B. S., M. D., Century Building.  
Assistant Professor of Genito-Urinary Diseases.
- MATT J. SCHERER, LL. B., 3108 Potomac St.  
Lecturer on Dental Jurisprudence.

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\*Deceased, April 27, 1920.



- WALTER W. SCHIEK, LL. B.,                      Institute of Law.  
Lecturer on Personal Property.
- LAWRENCE SCHLENKER, Ph. G., M. D.,    3515 S. Grand Ave.  
Assistant in Medicine.
- MARTIN SCHMIDT, A. B.,                      1402 S. Grand Avenue.  
Instructor in Microscopic Technique.
- EDGAR F. SCHMITZ, M. D.,                      Metropolitan Building.  
Instructor in Gynecology.
- PAUL C. SCHNOEBELEN, M. D.,                      University Club Bldg.  
Assistant in Medicine.
- DANIEL M. SCHOEMAKER, B. S., M. D.,    1402 S. Grand Ave.  
Professor of Anatomy.
- ERWIN E. SCHOWENGERDT,                      Times Building.  
Lecturer on Contracts.
- GEORGE B. SCOTT, D. D. S.,                      Wall Building.  
Professor of Crown and Bridge.
- REV. THEODORE J. SCHULTE, S. J., A. M., M. S.,    University  
Professor of Chemistry.
- CLAUD L. SELLERS, M. D.,                      Carleton Building.  
Assistant in Orthopedics.
- EUGENE T. SENSENEY, A. B., M. D.,                      Lister Building.  
Assistant Professor of Ear, Nose and Throat Diseases.
- JAMES W. SHANKLAND, D. M. D., M. D.,    Metropolitan Bldg.  
Assistant Professor of Surgery.
- REV. JAMES J. SHANNON, S. J., A. M.,                      University.  
Professor of Geology, Biology and Mathematics.  
Regent of School of Divinity and of School of Philosophy  
and Science.
- PHIL SHERER, M. D.,                      1701a South Broadway.  
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- CHARLES F. SHERWIN, B. S., M. D.,    1493 Hodiament Ave.  
Instructor in Surgery.

LEW R. THOMASON, LL. B.,                      Institute of Law.  
Constitutional Law.

- WILLIAM M. TOMPKINS, LL. B.,                      Institute of Law.  
Law of Damages.
- BERNARD J. THOLE, A. B.,                      Century Building.  
Instructor in English.
- RALPH L. THOMPSON, A. M., M. D.,      1402 S. Grand Avenue.  
Professor of Pathology and Director of the Department of  
Pathology and Bacteriology.
- FRANCIS A. THORNTON, A. M., LL. B.,                      University.  
Professor of Economics and Political Science.  
Secretary of School of Commerce and Finance.
- JOHN LEO TIERNEY, A. M., M. D.,      University Club Bldg.  
Instructor in Medicine.
- RANDALL S. TILLES, M. D.,                      University Club Bldg.  
Instructor in Obstetrics and Gynecology.
- EDWARD A. TOBIN, A. M., LL. B.,                      Rialto Building.  
Lecturer on Bailments.
- DAVID McCLAY TODD, A. M., M. D.,                      4523 Page Avenue.  
Instructor in Anatomy.
- REV. CAMILLE TORREND, S. J.,                      Bahia, Brazil.  
Collector of Specimens, Natural History.
- LISTER TUHOLSKE, A. B., M. D.,                      453 N. Taylor Avenue.  
Assistant in Surgery.
- ALOIS E. TUREK, M. D.,                      2109 Arsenal Street.  
Instructor in Medicine.
- HILLEL UNTERBERG, M. D.,                      529 Frisco Building.  
Instructor in Nervous Diseases.
- HARRY T. UPSHAW, B. S., M. D.,                      3962 Botanical Avenue.  
Assistant in Surgery.
- ANGELA VAN ISEGHEM,                      Arcade Building.  
Assistant in Accounting.
- WILLIAM H. VOGT, M. D.,                      Metropolitan Building.  
Instructor in Gynecology and Obstetrics.



JAMES A. WAECHTER, LL. B.,                      Institute of Law.  
Damages.

EDWIN H. WAGNER, C. P. A.,                  Arcade Building.  
Lecturer in Accounting.

REV. THOMAS F. WALLACE, S. J., A. M., University.  
Ethics and Natural Law.

BOAZ B. WATKINS, Boatmen's Bank Building.  
Lecturer on Contracts.

S. A. WEINTRAUB, M. D., University Club Building.  
Instructor in Gynecology.

WILLIAM WEISS, M. D., 3661 Lafayette Avenue.  
Assistant in Pediatrics.

A. W. WENGER, LL. B., Times Building.  
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ORVILLE O. WHITE, B. S., 1402 S. Grand Ave.  
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T. WISTAR WHITE, M. D., Lister Bldg.  
Instructor in Pediatrics.

WILLIAM S. WIATT, M. D., 4506 Lewis Place.  
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GEORGE B. WINTER, D. D. S., Frisco Building.  
Professor of Exodontia.

JOHN ZAHORSKY, A. B., M. D., 536 N. Taylor Ave.  
Professor of Children's Diseases.

WALTER P. ZELL, D. D. S., 3126 N. Grand Ave.  
Demonstrator of Operative Dentistry.

ALFRED ZELLER, S. J., University.  
Custodian of Laboratories.

## Register of Students

### List of Abbreviations.

Md.—Medicine. Dn.—Dentistry. Lw.—Law. C.F.—Commerce and Finance. Dv.—Divinity. Ph.—Philosophy and Science. Ar.—College of Arts. P.G.—Post-Graduate. P.M.—Pre-medical College Year. Sp.—Special. S.—Seminary and Normal Course.

The Roman numeral indicates the first, second, third or fourth year in the Student's Course.

Abeken, Rodowe.....	III. Lw.....	Missouri
Aburatani, Juji.....	III. C. F.....	Japan
Adams, Oliver B.....	I. C. F.....	Missouri
Agnes, John P.....	I. S.....	Iowa
Ahearn, Terence H.....	II. Dv.....	Illinois
Ahern, Walter J.....	I. Dn.....	Ohio
Ahlers, Frederick J.....	III. C. F.....	Missouri
Aid, Francis Harold.....	I. Md.....	Ohio
Albon, Ralph.....	I. C. F.....	Illinois
Alexander, Alva.....	I. Dn.....	Illinois
Alexander, John H.....	II. Ar.....	Missouri
Algier, George J.....	IV. Lw.....	Missouri
Allen, Hollis Nuttall.....	I. Md.....	Illinois
Allen, John G.....	I. C. F.....	Missouri
Allen, John H.....	I. C. F.....	Missouri
Alles, John A.....	III. C. F.....	Missouri
Allison, Ernest Fridolf.....	I. Md.....	New York
Almegourd, Salem DeVear.....	I. C. F.....	Missouri
Alpiser, Marion G.....	I. Lw.....	Missouri
Alston, William H.....	III. Lw.....	Missouri
Altheide, John Paul.....	III. Md.....	Missouri
Alvis, Newton Young.....	I. Dn.....	Illinois
Amaral, Edward A.....	II. P. M.....	California
Amos, Elton E.....	II. C. F.....	Iowa
Amos, Jesse Ransom.....	I. Dn.....	Missouri
Anchors, George Raymond.....	IV. Dn.....	New Jersey
Anderson, John Galen.....	IV. Dn.....	Missouri
Anger, Walter R.....	I. Lw.....	Missouri
Angstead, Charles L.....	I. C. F.....	Iowa
Atkinson, Henry Stephen.....	I. Md.....	Wisconsin
Atkinson, Vere W.....	II. C. F.....	Missouri
Auckley, Herbert A.....	II. P. M.....	Missouri
Baird, Blanchard M.....	I. Md.....	Illinois

Bakewell, Robert Unsell.....	III. <i>Ph</i> .....	Illinois
Baldus, Frederick M.....	III. <i>Dv</i> .....	Idaho
Bandel, Morris A.....	II. <i>C. F</i> .....	Missouri
Bank, August H.....	III. <i>C. F</i> .....	Iowa
Bardwell, Edward C.....	II. <i>C. F</i> .....	Missouri
Barger, Chas. G.....	III. <i>C. F</i> .....	Arkansas
Baries, Edward F.....	I. <i>Lw</i> .....	Illinois
Barken, Michael B.....	III. <i>C. F</i> .....	Missouri
Barker, Ralph Arthur.....	II. <i>Dn</i> .....	Montana
Barnard, W. D.....	II. <i>C. F</i> .....	Missouri
Barnes, Raymond F.....	I. <i>Md</i> .....	Missouri
Barnicle, J. R.....	II. <i>C. F</i> .....	Missouri
Barnwell, Wesley James.....	III. <i>Md</i> .....	Missouri
Barr, Alonzo F.....	IV. <i>Lw</i> .....	Missouri
Barranger, Paul M.....	II. <i>Dv</i> .....	France
Barrett, Ralph M.....	I. <i>Ar</i> .....	Missouri
Barry, Laurence Michael.....	I. <i>Ph</i> .....	Illinois
Barry, Sylvester Joseph.....	I. <i>Dn</i> .....	Missouri
Barthelme, Francis L.....	II. <i>Md</i> .....	Illinois
Barton, Joseph Roy.....	II. <i>Md</i> .....	Michigan
Barton, Paul E.....	I. <i>C. F</i> .....	Illinois
Bass, Normal H.....	II. <i>C. F</i> .....	Missouri
Bather, Harley E.....	II. <i>C. F</i> .....	Missouri
Batres, Oscar Armando.....	II. <i>Dn</i> .....	Central America
Bauman, Alvin J.....	I. <i>Lw</i> .....	Missouri
Baumann, Charles Hugo.....	I. <i>Md</i> .....	Illinois
Baumann, Francis C.....	I. <i>Lw</i> .....	Missouri
Baumberger, Eugene J.....	III. <i>C. F</i> .....	Illinois
Baumgartner, A. H.....	I. <i>C. F</i> .....	Missouri
Bay, Dervin A.....	I. <i>C. F</i> .....	Nebraska
Bay, Frank Newton.....	IV. <i>Md</i> .....	Iowa
Bechler, Floyd E.....	I. <i>C. F</i> .....	Missouri
Beck, Eugene M.....	III. <i>Dv</i> .....	France
Beckham, Ben A.....	II. <i>Dn</i> .....	Missouri
Becker, Frank A.....	I. <i>Md</i> .....	Michigan
Becker, William J.....	I. <i>Lw</i> .....	Iowa
Becker, William J.....	I. <i>Ar</i> .....	Iowa
Beeson, Wilbur M.....	II. <i>C. F</i> .....	Missouri
Behrens, Erwin C.....	I. <i>C. F</i> .....	Iowa
Behrens, John A.....	I. <i>C. F</i> .....	Missouri
Bennett, Foster L.....	IV. <i>Lw</i> .....	Missouri
Bennick, Walter E.....	II. <i>Lw</i> .....	Missouri
Benson, John Joseph.....	I. <i>Ph</i> .....	Illinois

Bentrude, George Calmar.....	II. <i>Dn.</i> .....	Iowa
Berens, John L.....	II. <i>Lw.</i> .....	Missouri
Berkmeyer, Chas.....	III. <i>C. F.</i> .....	Missouri
Bernard, Horatio J.....	III. <i>Lw.</i> .....	Illinois
Bertram, F. A.....	II. <i>C. F.</i> .....	Missouri
Beste, Walter H.....	III. <i>C. F.</i> .....	Missouri
Betten, Francis S.....	II. <i>Lw.</i> .....	Illinois
Betz, John V.....	I. <i>Ar.</i> .....	Missouri
Beuchat, Lee Joseph.....	II. <i>Md.</i> .....	Colorado
Bevan, Roy Arnold.....	II. <i>Dn.</i> .....	Missouri
Beykirch, Aloysius B.....	I. <i>C. F.</i> .....	Missouri
Bieri, John G.....	I. <i>S.</i> .....	Ohio
Bierman, Abe.....	I. <i>C. F.</i> .....	Missouri
Bilstein, Joseph C.....	II. <i>S.</i> .....	Illinois
Bindner, Clifford J.....	II. <i>Lw.</i> .....	Missouri
Birdsall, Thomas Charles.....	III. <i>Md.</i> .....	Missouri
Birmingham, William Joseph.....	III. <i>S.</i> .....	Ohio
Bischof, Charles E.....	II. <i>C. F.</i> .....	Missouri
Black, Ben C.....	II. <i>Lw.</i> .....	Missouri
Black, Ercil L.....	II. <i>Lw.</i> .....	Missouri
Blackwood, Samuel Hale.....	II. <i>Dn.</i> .....	Arkansas
Blaha, Joseph Albert.....	II. <i>Dn.</i> .....	Illinois
Blank, Benjamin.....	II. <i>Md.</i> .....	California
Blockberger, Julius W.....	I. <i>C. F.</i> .....	Missouri
Bloomer, Louis Aloysius.....	II. <i>Ph.</i> .....	Wisconsin
Bloomsma, Harry L.....	III. <i>C. F.</i> .....	Illinois
Boardman, C. H.....	III. <i>C. F.</i> .....	Missouri
Bobel, E. A.....	II. <i>C. F.</i> .....	Missouri
Boehl, Henry V.....	II. <i>C. F.</i> .....	Missouri
Bofenkamp, Ferdinand W.....	III. <i>Md.</i> .....	Minnesota
Bogart, Harry George.....	IV. <i>Md.</i> .....	New York
Boggiano, John Maurice.....	I. <i>Dn.</i> .....	Missouri
Bohne, William Ranke.....	IV. <i>Md.</i> .....	Indiana
Boisliniere, Louis C.....	II. <i>Ar.</i> .....	Missouri
Boland, Donald J.....	I. <i>C. F.</i> .....	Missouri
Boldizar, Julius.....	I. <i>Md.</i> .....	Ohio
Bolhafner, Robert.....	II. <i>C. F.</i> .....	Missouri
Bolte, John A.....	III. <i>Dv.</i> .....	Ohio
Bonacci, Michael James.....	IV. <i>Md.</i> .....	Wisconsin
Bond, Dillon.....	I. <i>Ar.</i> .....	Missouri
Bonham, Frank Vernon.....	IV. <i>Dn.</i> .....	Illinois
Boos, Wilfred J.....	I. <i>C. F.</i> .....	Missouri
Borgwald, Joseph A.....	I. <i>C. F.</i> .....	Missouri



Bork, Austin Alexander.....	III. <i>Ph</i> .....	Ohio
Bornschein, Leonard L.....	IV. <i>Lw</i> .....	Missouri
Borroughs, Allan F.....	I. <i>Lw</i> .....	Illinois
Bost, David Elsworth.....	I. <i>Dn</i> .....	Illinois
Bowdern, William Sporing.....	III. <i>Ph</i> .....	Missouri
Bowe, George J.....	I. <i>C. F</i> .....	Missouri
Bowers, Walter.....	I. <i>Lw</i> .....	Missouri
Boyle, Clyde Kenneth.....	III. <i>Dn</i> .....	Illinois
Boyle, Stephen A.....	III. <i>Dv</i> .....	Nebraska
Eramer, Max L.....	I. <i>Dn</i> .....	Illinois
Brandau, Christopher.....	II. <i>C. F</i> .....	Missouri
Brandt, Clarence W.....	I. <i>C. F</i> .....	Missouri
Brandt, Oliver James.....	II. <i>Dn</i> .....	Missouri
Branigan, Harry Lawrence.....	I. <i>Dn</i> .....	Canada
Braunagel, Louis B.....	II. <i>C. F</i> .....	Illinois
Breitenstein, George Wendelin.....	I. <i>Dn</i> .....	Missouri
Bremer, Rudolph E.....	I. <i>C. F</i> .....	Missouri
Brennan, Emmet J.....	II. <i>C. F</i> .....	Missouri
Brennan, George J.....	I. <i>Ar</i> .....	Missouri
Brennan, Gerald Paul.....	IV. <i>S</i> .....	Missouri
Brennan, John Anthony.....	I. <i>P. M</i> .....	Missouri
Brennan, M. Earl.....	IV. <i>Md</i> .....	Illinois
Brennan, Vincent Leo.....	III. <i>S</i> .....	Michigan
Brennan, William A.....	II. <i>Lw</i> .....	Missouri
Brennan, William Vasquez.....	II. <i>Dn</i> .....	Missouri
Bridge, Joseph H.....	III. <i>C. F</i> .....	Missouri
Brier, Archibald John.....	II. <i>Md</i> .....	Kansas
Brill, Emil E.....	III. <i>Lw</i> .....	Missouri
Brinkhaus, Armand Louis.....	II. <i>Md</i> .....	Louisiana
Brinckwirth, Henry T.....	I. <i>C. F</i> .....	Missouri
Brock, David Walter.....	IV. <i>Dn</i> .....	Missouri
Broeker, Ralph Joseph.....	IV. <i>Dn</i> .....	Missouri
Brogan, Joseph H.....	IV. <i>Lw</i> .....	Missouri
Brown, Clyde M.....	IV. <i>Ar</i> .....	Illinois
Brizzi, Albert P.....	I. <i>C. F</i> .....	Missouri
Bromeling, Jay V.....	II. <i>C. F</i> .....	Missouri
Bromeyer, George E.....	I. <i>C. F</i> .....	Missouri
Bromschwig, Frederic.....	I. <i>Ar</i> .....	Missouri
Browne, Benjamin L.....	I. <i>C. F</i> .....	Missouri
Brucker, Hartford Frederick.....	III. <i>Ph</i> .....	Ohio
Brutton, Anna M.....	I. <i>C. F</i> .....	Missouri
Bryan, Enoch Morgan, Jr.....	II. <i>P. M</i> .....	Arkansas
Bryant, Robert T.....	II. <i>Dv</i> .....	Alabama

Budde, Charles A.	IV. <i>Dv.</i>	Iowa
Budzinski, Marion G.	I. <i>C. F.</i>	Missouri
Buhrmester, Arthur C.	III. <i>C. F.</i>	Missouri
Burch, Leslie Alexander	IV. <i>Dn.</i>	Missouri
Burch, Robert T.	I. <i>C. F.</i>	Missouri
Burgess, Robert O.	I. <i>C. F.</i>	Illinois
Burgess, Robert Earle	I. <i>Dn.</i>	Illinois
Burgheim, Nathan H.	I. <i>C. F.</i>	Missouri
Burke, John Patrick	III. <i>S.</i>	Illinois
Burnes, Josephine	I. <i>C. F.</i>	Missouri
Burnett, Everett V.	I. <i>C. F.</i>	Ohio
Burns, Chester Aloysius	II. <i>Ph.</i>	Ohio
Burns, Dennis F.	I. <i>Dv.</i>	Illinois
Burns, Earl L.	I. <i>Ph.</i>	Indiana
Burns, Robert Stanislaus	I. <i>Dv.</i>	California
Burns, William J.	I. <i>Lw.</i>	Missouri
Burris, Wallace Miles	II. <i>Dn.</i>	Missouri
Burton, John A.	I. <i>C. F.</i>	Missouri
Busch, Henry B.	I. <i>Div.</i>	Germany
Busch, Max. I.	III. <i>Md.</i>	New Jersey
Busch, William G.	I. <i>S.</i>	Illinois
Butler, Charles O.	II. <i>Lw.</i>	Illinois
Butler, James Francis	III. <i>Ph.</i>	Indiana
Byrne, James	III. <i>Ar.</i>	Missouri
Byrne, Louis S.	IV. <i>Lw.</i>	Missouri
Cahill, Edgar	Sp. <i>Ar.</i>	Missouri
Cahill, Richard A.	I. <i>S.</i>	Missouri
Cahill, William H.	I. <i>C. F.</i>	Illinois
Callan, Francis Peter	IV. <i>S.</i>	Illinois
Callan, Patrick Lawrence	IV. <i>Md.</i>	Wisconsin
Calman, Paul H.	IV. <i>Lw.</i>	Missouri
Calvin, Roy E.	II. <i>C. F.</i>	Kansas
Campbell, David V.	II. <i>Lw.</i>	Missouri
Campbell, Elmer Harrison	IV. <i>Dn.</i>	Illinois
Campbell, Elvis Sewell	I. <i>Dn.</i>	Missouri
Camenzind, Albert J.	IV. <i>Dv.</i>	Ohio
Canaday, Raymond	I. <i>Lw.</i>	Illinois
Canan, George A.	Sp. <i>Ar.</i>	Missouri
Canelo, Clarence Kelly	II. <i>Md.</i>	California
Canepa, John B.	I. <i>Md.</i>	Missouri
Cantwell, John E.	IV. <i>Ar.</i>	Missouri
Canty, Elizabeth C.	III. <i>C. F.</i>	Missouri
Carey, John W.	I. <i>C. F.</i>	Missouri

Carey, Michael Joseph.....	II. <i>Md.</i> .....	Nebraska
Carl, Michael J.....	II. <i>C. F.</i> .....	Illinois
Carpinello, Edward Alfred.....	III. <i>Md.</i> .....	New York
Carrigan, Edward Francis.....	III. <i>Ph.</i> .....	Michigan
Carroll, Paul Loyola.....	II. <i>Ph.</i> .....	Missouri
Carson, Chester Leo.....	II. <i>Dn.</i> .....	Missouri
Carson, Earl L.....	I. <i>C. F.</i> .....	Missouri
Carter, Vernon.....	I. <i>Dn.</i> .....	Arkansas
Carter, William P.....	IV. <i>Lw.</i> .....	Missouri
Casey, Sylvester R.....	I. <i>C. F.</i> .....	Missouri
Castle, Meyer.....	IV. <i>Dn.</i> .....	Colorado
Chamberlain, Cecil H.....	II. <i>S.</i> .....	Kentucky
Chappell, Alonzo F.....	I. <i>C. F.</i> .....	Missouri
Cheney, Ralph Edwin.....	IV. <i>Md.</i> .....	Kansas
Chenot, Albert L.....	II. <i>C. F.</i> .....	Missouri
Chenoweth, Avery Hobart.....	III. <i>Dn.</i> .....	Illinois
Chesterson, Warren Glenn.....	II. <i>Dn.</i> .....	Indiana
Chouquette, Charles H.....	II. <i>C. F.</i> .....	Missouri
Christeson, Edgar Lee.....	III. <i>Md.</i> .....	Missouri
Church, Robert Kenneth.....	I. <i>Dn.</i> .....	Illinois
Clancy, Charles J.....	IV. <i>Lw.</i> .....	Missouri
Clancy, Patrick Joseph.....	III. <i>Lw.</i> .....	Missouri
Clancy, Thomas J.....	II. <i>C. F.</i> .....	Missouri
Clark, Charles G.....	II. <i>S.</i> .....	Illinois
Clark, Kevin.....	I. <i>Lw.</i> .....	Missouri
Clark, Lawrence I.....	II. <i>Md.</i> .....	Ohio
Clark, Riley, Jr.....	II. <i>C. F.</i> .....	Iowa
Clark, William H.....	I. <i>C. F.</i> .....	Missouri
Cleary, Joseph I.....	III. <i>Lw.</i> .....	Missouri
Clesse, Frances A.....	III. <i>C. F.</i> .....	Missouri
Clifford, Francis Clair.....	IV. <i>Md.</i> .....	Ohio
Clifford, Leo R.....	I. <i>Lw.</i> .....	Illinois
Cloran, Owen Michael.....	IV. <i>S.</i> .....	Ohio
Cody, Alexander J.....	III. <i>Dv.</i> .....	California
Cohen, Max.....	III. <i>C. F.</i> .....	Missouri
Coleman, James J.....	I. <i>C. F.</i> .....	Kansas
Colfer, Thomas F.....	II. <i>Ar.</i> .....	Missouri
Colin, Clarence Hyppolite.....	I. <i>Dn.</i> .....	Missouri
Collins, George W.....	II. <i>Lw.</i> .....	Missouri
Collins, John J.....	I. <i>C. F.</i> .....	Missouri
Colnon, Edward Lincoln.....	III. <i>S.</i> .....	Illinois
Colnon, John J.....	I. <i>C. F.</i> .....	Illinois
Comer, Francis B.....	I. <i>C. F.</i> .....	Missouri

Compton, Britton A.....	I. C. F.....	Missouri
Condon, Stephen C.....	II. C. F.....	Iowa
Connelly, Cecil Clayton.....	IV. Dn.....	Missouri
Connelly, Martin E.....	I. Lw.....	Missouri
Connelly, Richard C.....	I. Md.....	Michigan
Connole, Lee J.....	III. Lw.....	Illinois
Connolly, Richard E.....	I. Dv.....	Iowa
Connor, John J.....	III. Md.....	Missouri
Connor, Harold.....	III. Lw.....	Missouri
Conron, Thomas S.....	II. Dv.....	Illinois
Conway, Daniel Hugh.....	III. Ph.....	Colorado
Conway, John F.....	III. Dv.....	Colorado
Coogan, John E.....	I. Ph.....	Illinois
Cook, Andrew W.....	I. C. F.....	Missouri
Cook, Everett R.....	I. C. F.....	Missouri
Cook, John G.....	I. C. F.....	Missouri
Corcoran, Charles Thomas.....	III. Ph.....	Wisconsin
Cordes, John Joseph.....	III. Ph.....	Iowa
Coressell, Leo Alphonsus.....	III. S.....	Colorado
Corey, Anthony H.....	IV. Dv.....	Minnesota
Cornbleet, Theodore.....	II. Md.....	Missouri
Costello, William J.....	I. C. F.....	Missouri
Courtney, Edward G.....	I. S.....	Missouri
Cox, Arthur W.....	II. C. F.....	Missouri
Coyle, James Daniel.....	IV. Md.....	California
Cozzens, James Patrick.....	I. Md.....	Ohio
Cramer, Monroe R.....	I. C. F.....	Missouri
Crane, Philip C.....	I. C. F.....	California
Cranston, Elmer Cosmos.....	II. Dn.....	Oklahoma
Cravens, Harvey G. Mudd.....	II. Md.....	Missouri
Cresostomo, Francisco.....	I. Md.....	Philippines
Crissey, Verle V.....	I. Dn.....	Idaho
Croghan, Thomas F.....	III. Lw.....	Missouri
Cromwell, George B.....	I. C. F.....	Illinois
Cronin, Bertrand A.....	I. S.....	Ohio
Cronin, Carolan S.....	III. Md.....	California
Cronin, Edwin Anthony.....	III. S.....	Colorado
Crotty, Charles L.....	I. Dv.....	Wisconsin
Crowley, Clarence Thomas.....	III. S.....	Ohio
Crowley, Edward D.....	II. Md.....	Michigan
Cruse, Clement J.....	III. Ar.....	Illinois
Cullen, Edward Emanuel.....	II. Dn.....	Illinois
Cullen, Francis Edward.....	IV. Md.....	Iowa



Culver, Robert E.....	I. C. F.....	Missouri
Cummings, Thomas Wilfrid.....	III. S.....	Colorado
Cunningham, William C.....	III. Md.....	California
Curran, Clarence M.....	II. C. F.....	Missouri
Curran, E. Philpot.....	IV. Ar.....	Missouri
Curran, Paul Stanley.....	IV. Md.....	Missouri
Curtis, Anthony G.....	I. P. M.....	Missouri
Cutter, Hubert G.....	III. C. F.....	Missouri
Czarnecki, Casimir Joseph.....	III. Md.....	Ohio
Dague, Paul O.....	III. Lw.....	Kansas
Dahm, Charles H.....	I. Ar.....	Missouri
Dahm, Paul J.....	IV. Ar.....	Missouri
Dahm, William B.....	II. C. F.....	Missouri
Dailey, Margaret M.....	I. C. F.....	Missouri
Dalton, Arthur F.....	II. Lw.....	Missouri
Daly, John L.....	I. C. F.....	Missouri
Daly, Joseph Anthony.....	I. Dn.....	Illinois
Daly, Thomas P.....	III. Dv.....	Georgia
Daniels, McKinley H.....	II. C. F.....	Missouri
Darcy, Timothy B.....	II. C. F.....	Missouri
Daubin, Meredith M.....	I. C. F.....	Missouri
Daues, Fred Herbert.....	I. P. M.....	Missouri
Daugherty, Milton L.....	II. Lw.....	Missouri
Dausman, Harry L.....	I. C. F.....	Missouri
Davidson, Angus A.....	I. Lw.....	Oklahoma
Davis, Francis William.....	I. Dn.....	Arkansas
Davis, George T.....	I. C. F.....	Missouri
Davis, William R.....	V. Lw.....	Missouri
Dawson, G. G.....	I. C. F.....	Missouri
Dawson, Paul.....	I. C. F.....	Illinois
Deck, Gussye.....	III. C. F.....	Missouri
Dedo, Leland C.....	II. C. F.....	Kansas
Deger, Richard John.....	I. Md.....	Ohio
Deibel, Milton L.....	I. C. F.....	Missouri
Delabar, Julius W.....	I. C. F.....	Missouri
Demko, Frank.....	II. Md.....	Missouri
Dempsey, Vincent Michael.....	IV. Dn.....	Missouri
Deneen, Daniel J.....	II. C. F.....	Illinois
Deneke, Arthur F.....	I. C. F.....	Missouri
Dent, Paul E.....	I. S.....	Missouri
Derby, Arthur Daniel.....	I. Dn.....	Missouri
Devereux, John W.....	I. Ar.....	Texas
Dewhirst, Rex E.....	I. C. F.....	Missouri

De Asis, Cesareo .....	I. <i>Md.</i> .....	Philippines
De Haye, Francis Marion.....	III. <i>Ph.</i> .....	Illinois
De Muth, Clement F.....	II. <i>S.</i> .....	Wisconsin
De Reinzo, Nicholas .....	II. <i>Lw.</i> .....	Missouri
Diener, Wm. J.....	I. <i>Dv.</i> .....	Ohio
Diersen, Aloysius James.....	III. <i>Ph.</i> .....	Ohio
Diethelm, Rudolph A.....	IV. <i>Md.</i> .....	Ohio
Dill, Arthur .....	I. <i>C. F.</i> .....	Missouri
Dillman, Howard Brown.....	II. <i>P. M.</i> .....	Illinois
Dillon, Thomas Francis.....	IV. <i>Dn.</i> .....	Illinois
Dillon, William J.....	II. <i>C. F.</i> .....	Missouri
Dimichino, Andrew S.....	I. <i>Dv.</i> .....	Italy
Dirks, Harry R.....	II. <i>C. F.</i> .....	Missouri
Dittman, Charles H.....	II. <i>P. M.</i> .....	Texas
Diven, J. Field.....	I. <i>P. M.</i> .....	Missouri
Diven, L. Morey.....	I. <i>P. M.</i> .....	Missouri
Divine, Thomas Francis.....	IV. <i>S.</i> .....	Missouri
Dixon, Millege Scott.....	II. <i>Dn.</i> .....	Illinois
Dobbs, Otto Ross.....	IV. <i>Md.</i> .....	Missouri
Dodge, Fay K.....	I. <i>Lw.</i> .....	Illinois
Dodge, Thomas H.....	I. <i>Lw.</i> .....	Arizona
Doebber, Bernard J.....	II. <i>C. F.</i> .....	Missouri
Doerbaum, George L.....	II. <i>C. F.</i> .....	Missouri
Doerr, Alfred J.....	II. <i>C. F.</i> .....	Missouri
Doerr, Henry .....	I. <i>P. M.</i> .....	Missouri
Dolan, Leo Patrick.....	II. <i>Md.</i> .....	Ohio
Donahue, George Richard.....	II. <i>P. M.</i> .....	Indiana
Donavan, Robert Jefferson.....	I. <i>Dn.</i> .....	Illinois
Doner, Forrest E.....	I. <i>C. F.</i> .....	Nebraska
Donnelly, Thomas J.....	IV. <i>Dv.</i> .....	Ohio
Donohue, Cyril Patrick.....	II. <i>Ph.</i> .....	Wisconsin
Donohue, J. Robert.....	I. <i>Lw.</i> .....	Missouri
Donovan, Francis X.....	III. <i>Lw.</i> .....	Missouri
Donovan, W. Milner.....	I. <i>Ar.</i> .....	Missouri
Donovan, William .....	Sp. <i>Ar.</i> .....	Wisconsin
Doubek, John Charles.....	IV. <i>Md.</i> .....	Missouri
Dowd, William A.....	IV. <i>Dv.</i> .....	Ohio
Dowling, Edward P.....	II. <i>S.</i> .....	Missouri
Downs, Charles E.....	II. <i>Lw.</i> .....	Missouri
Doyle, Cletus G.....	I. <i>S.</i> .....	Missouri
Doyle, James F.....	I. <i>Dv.</i> .....	California
Doyle, John C.....	II. <i>Lw.</i> .....	Missouri
Doyle, Leo A.....	I. <i>S.</i> .....	Nebraska

Doyle, Raymond Edward.....	IV. <i>Md.</i> .....	Colorado
Doyle, William V.....	I. <i>Dv.</i> .....	Illinois
Drace, Raymond Meredith.....	III. <i>Dn.</i> .....	Missouri
Draper, David B.....	IV. <i>Md.</i> .....	California
Dreiling, Fred J.....	I. <i>P. M.</i> .....	Kansas
Dreyfus, Norman J.....	II. <i>Ph.</i> .....	Missouri
Driscoll, D. E.....	II. <i>C. F.</i> .....	Missouri
Driscoll, Stephen Basil.....	I. <i>Ph.</i> .....	Illinois
Droste, Elmer.....	II. <i>Lw.</i> .....	Illinois
Dubrouillet, J. Keane.....	II. <i>Lw.</i> .....	Missouri
Duemler, John Henry.....	I. <i>Md.</i> .....	Missouri
Duffy, Edward James.....	I. <i>Md.</i> .....	Ohio
Duncan, Elmer B.....	II. <i>C. F.</i> .....	Missouri
Duncan, Rolla C.....	I. <i>C. F.</i> .....	Missouri
Dunham, Noland.....	II. <i>C. F.</i> .....	Missouri
Dunkin, Alfred V.....	I. <i>C. F.</i> .....	Missouri
Dunn, Walter J.....	I. <i>Lw.</i> .....	Missouri
Dunst, Raymond L.....	II. <i>S.</i> .....	Ohio
Dwyer, Frederick J.....	I. <i>C. F.</i> .....	Missouri
Dwyer, Thomas L.....	I. <i>Md.</i> .....	Missouri
Dyer, John Albert.....	II. <i>Md.</i> .....	Kansas
Eastman, George L.....	II. <i>Lw.</i> .....	Missouri
Ebbing, Edward B.....	I. <i>S.</i> .....	Ohio
Ebelmesser, Marvin Lee.....	I. <i>Dn.</i> .....	Missouri
Eble, Edward F.....	I. <i>C. F.</i> .....	Missouri
Eckhardt, William G.....	I. <i>C. F.</i> .....	Missouri
Eddy, Harold I.....	I. <i>Lw.</i> .....	Missouri
Edmiston, Asa Rufus.....	I. <i>Dn.</i> .....	Missouri
Edmiston, William Earle.....	I. <i>Dn.</i> .....	Illinois
Egan, Louis B.....	I. <i>Dv.</i> .....	Iowa
Egan, Matt C.....	II. <i>C. F.</i> .....	Missouri
Egan, Stephen Thomas.....	I. <i>Ph.</i> .....	Nebraska
Egana, Gabinus E.....	III. <i>Dv.</i> .....	Spain
Eggler, Alvin F.....	III. <i>Ar.</i> .....	Missouri
Eggler, Clarence Aubrey.....	I. <i>Dn.</i> .....	Missouri
Egle, Joseph Louis.....	III. <i>Md.</i> .....	Ohio
Eichelberger, Harvey A.....	I. <i>Lw.</i> .....	Missouri
Eime, Herbert E.....	I. <i>C. F.</i> .....	Missouri
Eisenbeis, Felix P.....	II. <i>C. F.</i> .....	Missouri
Ellard, Gladstone Augustine.....	III. <i>Ph.</i> .....	Wisconsin
Ellis, Bernard Edgar.....	I. <i>Md.</i> .....	Illinois
Ellis, George D.....	I. <i>C. F.</i> .....	Missouri
Ellman, L. E.....	I. <i>C. F.</i> .....	Missouri

Elmiger, Paul H.....	I. C. F.....	Missouri
Ely, William D.....	IV. Lw.....	Missouri
Emerson, Norman D.....	II. C. F.....	Iowa
Emig, Fred W.....	II. C. F.....	Missouri
Emmerich, Albert L.....	I. C. F.....	Missouri
Emmons, Clifford Wallace.....	I. Md.....	Illinois
Engler, John G.....	I. C. F.....	Missouri
Epperly, James Melvin.....	II. Dn.....	Missouri
Epperly, Marvin Forest.....	III. Dn.....	Missouri
Erbs, Oliver F.....	IV. Lw.....	Missouri
Ernest, Dwight M.....	I. Md.....	Illinois
Ernst, Betram E.....	I. S.....	Ohio
Ernst, George R.....	I. Ar.....	Missouri
Ertz, Joseph F.....	II. C. F.....	Iowa
Espat, Salvador.....	I. C. F.....	British Honduras
Espenschied, Clifford E.....	I. C. F.....	Missouri
Ewing, Thos. D.....	II. Ph.....	Ohio
Eye, Monte C.....	II. C. F.....	Missouri
Eyermann, Henry W.....	II. P. M.....	Missouri
Eynck, John F.....	I. S.....	Minnesota
Fagan, George I.....	II. C. F.....	Missouri
Fahrenheit, William Louis.....	IV. Dn.....	Missouri
Farmer, E. R.....	II. C. F.....	Missouri
Farrell, Allan P.....	I. Ph.....	Michigan
Farrell, Leo William.....	II. Md.....	California
Fattmann, C. Jerome E.....	III. C. F.....	Missouri
Fay, William A.....	II. S.....	Illinois
Fehrmann, Charles H., Jr.....	I. Lw.....	Missouri
Feierabend, Frank Leo.....	III. Md.....	Missouri
Feldmeier, Joseph C.....	III. C. F.....	Missouri
Fellhauer, Martin A.....	I. Ar.....	Missouri
Ferguson, Charles L.....	I. C. F.....	Missouri
Ferrick, Martin J.....	I. C. F.....	Missouri
Ferris, Ralph Jacob.....	IV. Dn.....	Missouri
Ferry, Paul William.....	IV. Md.....	Indiana
Fett, Henry A.....	II. C. F.....	Missouri
Feuerborn, Harvey.....	I. C. F.....	Missouri
Fiedler, Martha W.....	III. C. F.....	Missouri
Finnegan, James P.....	II. Lw.....	Missouri
Finnegan, Thos. A.....	I. Dv.....	Wisconsin
Finnegan, William Aloysius.....	II. Ph.....	Illinois
Fischer, Oscar E.....	II. C. F.....	Missouri
Fisher, Alphonse L.....	II. Dv.....	Kentucky



Fittge, George J.....	I. <i>Lw</i> .....	Missouri
Fitzgerald, Edward T.....	I. <i>Dv</i> .....	Alabama
Fitzgerald, J. Caniff.....	I. <i>Ar</i> .....	Missouri
Fitzgerald, John F.....	I. <i>C. F</i> .....	Missouri
Fitzgerald, Joseph F.....	I. <i>S</i> .....	Colorado
Fitzgerald, Leo Peter Thomas.....	II <i>Md</i> .....	California
FitzGibbon, Catherine.....	I. <i>C. F</i> .....	Missouri
Fitzgibbon, Richard D.....	I. <i>Lw</i> .....	Missouri
Fitzgibbons, Gerald A.....	I. <i>Dv</i> .....	Michigan
Fitzgibbons, Gerald H.....	I. <i>S</i> .....	Iowa
Fitzhugh, Ben A.....	II. <i>Dn</i> .....	Arkansas
FitzRoy, Harold C.....	I. <i>C. F</i> .....	Missouri
Flavin, Thomas F.....	I. <i>C. F</i> .....	Missouri
Flinn, James M.....	IV. <i>Md</i> .....	Montana
Flotte, Bernard H.....	II. <i>Ar</i> .....	Missouri
Foley, Joseph Milton.....	I. <i>P. M</i> .....	Indiana
Flynn, William B.....	III. <i>Lw</i> .....	Missouri
Fogarty, William M.....	I. <i>C. F</i> .....	Missouri
Foley, Joseph S.....	I. <i>C. F</i> .....	Missouri
Foley, Louise M.....	I. <i>C. F</i> .....	Missouri
Folger, Irene.....	I. <i>C. F</i> .....	Missouri
Forrey, Louis William.....	II. <i>Ph</i> .....	Iowa
Forrey, Richard R.....	II. <i>S</i> .....	Iowa
Forshaw, Joseph, Jr.....	I. <i>Lw</i> .....	Missouri
Foster, George C.....	I. <i>Lw</i> .....	Missouri
Foster, Leon A.....	II. <i>Ph</i> .....	Illinois
Fox, Edgar J.....	III. <i>C. F</i> .....	Missouri
Frain, Dominic B.....	I. <i>C. F</i> .....	Missouri
Francis, Thomas Penrose.....	II. <i>Dn</i> .....	Illinois
Francka, Wescleslaus F.....	I. <i>Md</i> .....	Missouri
Franey, Edwin D.....	I. <i>Lw</i> .....	Missouri
Franey, James C.....	II. <i>Lw</i> .....	Missouri
Franke, Neil.....	III. <i>Dn</i> .....	Illinois
Frankel, Sol Irwin.....	I. <i>Md</i> .....	Missouri
Fraser, Burton J.....	I. <i>S</i> .....	Iowa
Freeman, Spencer Lane.....	IV. <i>Md</i> .....	Missouri
Freeman, Thomas W.....	I. <i>C. F</i> .....	Missouri
Freimuth, Louis Elmer.....	III. <i>Md</i> .....	Missouri
Freis, Armand Dehner.....	III. <i>Md</i> .....	Missouri
Freise, Robert Wm.....	I. <i>Dv</i> .....	Missouri
Froning, Earl A.....	II. <i>C. F</i> .....	Missouri
Fruin, Richard L.....	II. <i>C. F</i> .....	Illinois
Fruin, Robert L.....	I. <i>C. F</i> .....	Missouri

Frumson, Walter Lee.....	II. P. M.....	Missouri
Frutiger, Samuel Marvin.....	IV. Dn.....	Missouri
Fry, Hobart McKinley.....	III. Dn.....	Illinois
Fuchs, George Joseph.....	IV. Md.....	Missouri
Fulenwider, Harry W.....	III. Lw.....	Missouri
Funk, Arthur L.....	II. C. F.....	Missouri
Funke, Gustave F.....	I. C. F.....	Missouri
Furlong, Joseph F.....	II. Lw.....	Missouri
Gabler, Frederick A.....	III. Lw.....	Missouri
Gaffney, Edwin J.....	I. Dv.....	Michigan
Galbraith, Royal.....	I. Dn.....	Missouri
Gale, William M.....	I. Dn.....	Missouri
Gallagher, Daniel Ignatius.....	I. Md.....	Ohio
Gallagher, James Michael.....	I. Ph.....	Ohio
Galvin, Robert John.....	I. Md.....	Iowa
Gannon, Charles S.....	I. C. F.....	Missouri
Garber, John H.....	II. Lw.....	Missouri
Garcia, Octavio.....	Sp. Md.....	Mexico
Gardner, Alfred W.....	I. C. F.....	Missouri
Garnier, Lionel V.....	I. Dn.....	Missouri
Garrity, Julian Alexander.....	II. Ph.....	Ohio
Garside, Arthur Alphonsus.....	III. Md.....	Iowa
Garvey, Gerald B.....	I. S.....	Michigan
Gavril, Samuel.....	I. C. F.....	Russia
Gebhardt, Herbert J.....	I. C. F.....	Missouri
Gedert, John Joseph.....	III. Md.....	Ohio
Geekie, William J.....	I. Lw.....	Missouri
George, Harold Henry.....	I. C. F.....	Missouri
George, Norman J.....	I. C. F.....	Missouri
Georgen, Joseph M.....	IV. Dv.....	Illinois
Geraghty, Laurence S.....	I. Lw.....	Missouri
Gerhard, Fred J.....	II. C. F.....	Missouri
German, Walter A.....	IV. Md.....	Kansas
Gerritzen, Aloysius F. J.....	III. Lw.....	Missouri
Gerritzen, Leo. W.....	I. Lw.....	Missouri
Gewertz, Louis Leonard.....	II. Md.....	California
Gibbons, Charles.....	II. Dn.....	British Honduras
Gibbons, Gerald.....	II. Dv.....	British Honduras
Gibbons, James Richard.....	II. Ph.....	Missouri
Gibbons, John F.....	II. C. F.....	Missouri
Gibbons, John Joseph.....	IV. S.....	Colorado
Gibbs, Floy F.....	I. Md.....	Missouri
Gibson, David Marshall.....	II. P. M.....	Missouri

Gibson, Harry W.....	II. C. F.....	Missouri
Gierer, Charles O.....	II. C. F.....	Missouri
Giesicke, Herman .....	III. C. F.....	Missouri
Giessow, Ralph R.....	III. Lw.....	Missouri
Gilbert, Commodore .....	I. C. F.....	Missouri
Gill, Howard R.....	I. C. F.....	Missouri
Gilliam, Earl .....	II. C. F.....	Missouri
Gissy, Charles Joseph.....	IV. Md.....	Illinois
Gitcho, Miltiades John.....	IV. Dn.....	Illinois
Glant, Frank A.....	I. C. F.....	Missouri
Glaze, Kenneth Franklin.....	II. Md.....	Missouri
Glenn, Elmer E.....	I. Md.....	Missouri
Glick, Harry Naylor.....	II. Md.....	New Jersey
Glowacki, Ben Francis.....	IV. Md.....	Ohio.
Glynn, Henry Lewis.....	II. Dn.....	Iowa
Godfrey, Dewey S.....	IV. Lw.....	Missouri
Godfrey, Eugene D.....	I. C. F.....	Missouri
Goldman, Joseph H.....	III. C. F.....	Missouri
Golinvaux, Cletus Julius.....	IV. Md.....	Iowa
Gollub, Max .....	III. C. F.....	Missouri
Gonzalez, Tomas M.....	Sp. Md.....	Philippines
Gooldy, Elwood H.....	I. Lw.....	Missouri
Gossow, Benj. Geret.....	III. Md.....	Missouri
Gottschalk, Gertrude O.....	I. Lw.....	Missouri
Gould, George F.....	II. C. F.....	Missouri
Gouty, John C.....	II. C. F.....	Missouri
Graham, Lawrence Franklin.....	IV. Dn.....	Missouri
Grannemann, Walter W.....	I. Lw.....	Missouri
Grash, Fred .....	III. C. F.....	Missouri
Gratza, Joseph C.....	I. Lw.....	Missouri
Gray, Harry Joshua.....	IV. Md.....	Kansas
Grayum, David Eugene.....	I. Dn.....	Missouri
Greenan, Edward .....	I. Dn.....	Illinois
Greene, Maurice Lytton.....	I. Md.....	Illinois
Greener, William E.....	II. C. F.....	Missouri
Greenway, J. Cole.....	I. Lw.....	Missouri
Gregory, G. L.....	III. C. F.....	Missouri
Grellner, George J.....	II. Lw.....	Missouri
Grierson, Albert T.....	I. C. F.....	Missouri
Grierson, Walter F.....	I. C. F.....	Missouri
Griesedieck, August E.....	II. C. F.....	Missouri
Grindon, Alfred J.....	I. C. F.....	Missouri
Grindon, Leger .....	I. C. F.....	Missouri

Grisham, Carl .....	II. C. F.	Missouri
Grob, Julius L. ....	III. C. F.	Missouri
Grogan, Frank M. ....	II. P. M.	Michigan
Grommet, Allen J. ....	I. C. F.	Illinois
Gross, Mark S. ....	I. Dv.	Missouri
Crothaus, Charles F. ....	I. C. F.	Missouri
Grueb, Paul Max. ....	IV. Md.	California
Gruenthaner, Michael J. ....	IV. Dv.	New York
Grueter, Albert B. ....	IV. Dv.	Ohio
Grunewald, August H. ....	I. C. F.	Missouri
Gunn, Leo Arthur. ....	III. S.	Missouri
Gunnnett, Gilbert E. ....	I. C. F.	Missouri
Gwaltney, Thomas W. ....	I. C. F.	Missouri
Hagerty, William Patrick. ....	I. Ph.	Illinois
Hales, Edward M. ....	III. C. F.	Missouri
Haley, Frederick W. ....	I. Ar.	Kentucky
Haley, John J. ....	I. Lw.	Missouri
Hall, Lorena M. ....	II. C. F.	Kentucky
Hall, Marshall Wesley. ....	I. Md.	Illinois
Hall, Thomas Bryan. ....	II. Md.	Missouri
Hall, Thomas Gerald. ....	III. Md.	California
Halligan, Thomas F., Jr. ....	I. Md.	Iowa
Halloran, John A. ....	III. C. F.	Missouri
Halloran, Thomas J. ....	IV. Lw.	Missouri
Halpin, George A. ....	II. C. F.	Illinois
Hamilton, Robert B. ....	I. C. F.	Missouri
Hammond, John Joseph, Jr. ....	I. P. M.	Missouri
Hampton, Gordon Christy. ....	II. Dn.	Missouri
Hanenkamp, Carl M. ....	II. C. F.	Missouri
Hanford, Wesley Wallace. ....	II. Md.	Connecticut
Hanifan, Edmond P. ....	III. Lw.	Missouri
Hannah, Robert M. ....	I. C. F.	North Carolina
Hannan, James J. ....	II. Dv.	Iowa
Hannan, Martin Leo. ....	III. Md.	Illinois
Hannibal, John Edward. ....	III. Md.	Ohio
Harder, Robert C. ....	IV. Dv.	Missouri
Hardin, M. Guy. ....	II. C. F.	Missouri
Hardman, Carney. ....	II. Md.	West Virginia
Hardy, Joseph A. ....	III. Ar.	Missouri
Harkins, Hugo Elzear. ....	III. S.	Missouri
Harrington, Edward M. ....	I. Lw.	Missouri
Harrington, Edward Thomas. ....	IV. Dn.	Missouri
Harris, Arthur Cornelius. ....	I. C. F.	Missouri



Harris, Mark D.....	II. C. F.....	Missouri
Harris, Robert A.....	II. Lw.....	Illinois
Harshman, Gurney Ellsworth.....	II. Dn.....	Illinois
Hart, Gilbert A.....	II. C. F.....	Missouri
Hart, Herbert Malcolm.....	II. P. M.....	Missouri
Hartigan, Vincent E.....	II. C. F.....	Missouri
Hartley, John Edwin.....	II. Md.....	Kansas
Hartman, William H., Jr.....	III. C. F.....	Missouri
Harvey, Alfred T.....	I. C. F.....	Iowa
Hassett, Joseph N.....	III Lw.....	Missouri
Hastings, Eugene L.....	IV. Md.....	Illinois
Hauldren, Elmer L.....	I. C. F.....	Missouri
Hausgen, Frederick W.....	III. Ar.....	Missouri
Hausmann, Bernard Andrew.....	III. S.....	Ohio
Hausmann, Charles Rudolph.....	II. Dn.....	Illinois
Haverfield, Lysle Edward.....	IV. Md.....	Illinois
Haverfield, Walter W.....	I. Lw.....	Missouri
Hawe, William A.....	I. C. F.....	Missouri
Hayden, Chester A.....	II. C. F.....	Missouri
Hayes, Charles Michael.....	II. P. M.....	Illinois
Haynes, Harrington Clanahan.....	II. Dn.....	Illinois
Healy, Edwin Francis.....	III. S.....	Michigan
Healy, Francis P.....	I. Lw.....	Missouri
Healy, Joseph C.....	I. Md.....	New York
Heberer, Charles W.....	I. C. F.....	Missouri
Hebrank, Adolph W.....	I. C. F.....	Missouri
Heet, Milton F.....	I. Ar.....	Missouri
Heffernan, Robert V.....	I. C. F.....	Missouri
Heidorn, William Block.....	IV. Md.....	Missouri
Heil, George M.....	II. C. F.....	Missouri
Hein, E. L.....	III. C. F.....	Missouri
Heitgrass, Harry E.....	I. C. F.....	Missouri
Heithaus, Claude H.....	I. S.....	Missouri
Heliman, Walter F.....	II. Lw.....	Missouri
Hellman, Joseph Bernard.....	I. Dn.....	Iowa
Helm, Elmer L.....	II. C. F.....	Missouri
Heltzell, Paul D.....	III. C. F.....	Missouri
Helwig, Gunther A.....	I. C. F.....	Missouri
Helwig, Sylvester Bernard.....	II. Md.....	Illinois
Hemp, Marly.....	I. Ar.....	Missouri
Henderson, James A.....	III. Lw.....	Missouri
Hendley, Harry J.....	II. Lw.....	Missouri
Heneke, Helen A.....	III. C. F.....	Missouri

Hennes, William Robert.....	III. S.....	Michigan
Hennessy, Michael T.....	III. C. F.....	Missouri
Henrich, Lawrence E.....	IV. Md.....	South Dakota
Herbert, Erle.....	I. Lw.....	Missouri
Hereford, Robert A.....	I. S.....	Missouri
Hermann, Charles O.....	II. C. F.....	Missouri
Hermes, Edgar Joseph.....	I. Md.....	Michigan
Herr, Vincent V.....	II. S.....	Ohio
Herschman, Felix.....	III. Lw.....	Missouri
Hesse, Carl F.....	I. C. F.....	Illinois
Heun, Charles.....	III. C. F.....	Missouri
Heun, John J.....	III. C. F.....	Missouri
Hewitt, Benj. Roller.....	IV. Md.....	Missouri
Hickey, Cornelius.....	I. Lw.....	Iowa
Hickey, Thomas J.....	I. C. F.....	Missouri
Hicks, Raymond Richard.....	II. Dn.....	Missouri
Hilke, George Christopher.....	III. S.....	Missouri
Hill, Cecil H.....	II. C. F.....	Missouri
Hill, Charles Frank.....	I. Ph.....	Ohio
Hill, Raymond D.....	I. C. F.....	Missouri
Himes, Leo J.....	II. C. F.....	Iowa
Hinni, Anthony J.....	I. C. F.....	Missouri
Hitzeman, Louis Anthony.....	II. P. M.....	Missouri
Hobbs, John L.....	I. C. F.....	Missouri
Hodder, Robert G.....	I. C. F.....	Illinois
Hodges, William R.....	II. C. F.....	Arkansas
Hodous, Edward Joseph.....	I. Ph.....	Ohio
Hoehn, Albertus L.....	II. C. F.....	Missouri
Hoennemeyer, Albert H.....	I. S.....	Ohio
Hof, John C.....	II. C. F.....	Missouri
Hofferkamp, August George.....	II. P. M.....	Illinois
Hofman, Carl F.....	I. C. F.....	Missouri
Hogan, Everett J.....	II. S.....	Kentucky
Hogue, Leo A.....	I. S.....	Michigan
Hoit, Clarence C.....	I. C. F.....	Iowa
Holan, Charles Aloysius.....	II. Md.....	Ohio
Holbrook, Charles Kendall.....	II. Dn.....	Illinois
Hollowell, Harry.....	II. C. F.....	Iowa
Hollingsworth, Paul Royalty.....	IV. Dn.....	Missouri
Holmes, Mansell B.....	IV. Md.....	Missouri
Holten, Edmund Herman.....	II. P. M.....	Illinois
Holton, Wm. John.....	II. Ph.....	Illinois
Honig, Lawrence D.....	II. Lw.....	Missouri

Hood, Stanley J.	II. C. F.	Missouri
Hoogstraet, Rudolph William	V. Lw.	Missouri
Hoope, Francis J.	I. C. F.	Missouri
Hopmann, Raymond H.	II. C. F.	Missouri
Horne, Edmund J.	I. S.	Ohio
Horst, George L.	I. C. F.	Missouri
Horton, Frank	I. C. F.	Missouri
Houlehan, A. L.	III. C. F.	Missouri
Houlihan, John G.	I. Lw.	Missouri
House, Bert	IV. Dn.	Illinois
House, Claude W.	II. C. F.	Missouri
Howard, Stanley P.	IV. Md.	Missouri
Howell, Albion James	II. Md.	California
Hrdlicka, Victor Emanuel	II. Md.	Missouri
Huber, William Henry	IV. Md.	Missouri
Huebner, Charles A.	II. C. F.	Missouri
Huesemann, Louis S.	II. C. F.	Missouri
Huey, A. W.	III. C. F.	Missouri
Hughbanks, James Gard	I. Md.	Kansas
Hughes, Thomas Wm.	I. Lw.	Missouri
Hulick, Lester Paul	I. Md.	Illinois
Hullverson, Everett John	III. Lw.	Missouri
Humphries, Paul Ambrose	IV. Md.	Illinois
Hunleth, Francis Charles	IV. S.	Missouri
Huwe, Henry J.	II. Dv.	Illinois
Hyatt, William Taylor	IV. Md.	Missouri
Igoe, William F.	I. Lw.	Missouri
Inman, Chelsea O.	II. Lw.	Missouri
Ipponsugi, Riinichi	II. Dn.	Japan
Irving, Horace S.	II. C. F.	Missouri
Isidro, Narciso G.	I. C. F.	Philippines
Ivancovich, Eugene	II. Dv.	California
Ives, Walter R.	II. C. F.	Kansas
Jackson, Clancy M.	II. Md.	Florida
Jacobs, Richard Nicholas	IV. Md.	Montana
Jacobson, Lester N.	II. C. F.	Nebraska
Jacobus, Ottilie L.	I. C. F.	Missouri
Jacoby, John Mark	II. Ph.	Ohio
Jameson, Claude J.	II. C. F.	Missouri
Januzzo, Anthony	II. C. F.	Missouri
Jarboe, Owen Goodlove	I. Dn.	Illinois
Jeffers, Samuel E.	III. C. F.	Missouri
Jenkins, James T.	III. Md.	Illinois

Jenney, John Abraham.....	I. <i>Md.</i> .....	Missouri
Jennings, Arthur G.....	III. <i>Lw.</i> .....	Missouri
Jennings, Thomas F.....	I. <i>C. F.</i> .....	Missouri
Jenny, Frank W.....	III. <i>Lw.</i> .....	Missouri
Johns, George A.....	IV. <i>Lw.</i> .....	Montana
Johnson, Bert Martin.....	II. <i>P. M.</i> .....	Missouri
Johnson, Carl H.....	I. <i>C. F.</i> .....	Kentucky
Johnson, Harry Charles.....	I. <i>Dn.</i> .....	Kentucky
Johnson, Harry Franklin.....	III. <i>Lw.</i> .....	Missouri
Johnson, Irl L.....	I. <i>C. F.</i> .....	Missouri
Johnson, John S.....	I. <i>Ar.</i> .....	Kansas
Johnson, Lester Elmer.....	II. <i>P. M.</i> .....	Missouri
Johnson, Obbo William.....	II. <i>P. M.</i> .....	Missouri
Johnston, John H.....	I. <i>C. F.</i> .....	Missouri
Johnston, John J.....	III. <i>Lw.</i> .....	Missouri
Jones, Harvey Dittmer.....	I. <i>Dn.</i> .....	Missouri
Jones, Melbourne G.....	I. <i>C. F.</i> .....	Missouri
Jones, Richard P.....	I. <i>Dn.</i> .....	Missouri
Jones, William B.....	II. <i>C. F.</i> .....	Illinois
Jordan, Edward Carroll.....	I. <i>Dn.</i> .....	Illinois
Jordan, John R.....	I. <i>C. F.</i> .....	Missouri
Jost, Arthur H.....	IV. <i>Md.</i> .....	Missouri
Jutz, Leo A.....	I. <i>C. F.</i> .....	Missouri
Kahn, Adolph.....	III. <i>C. F.</i> .....	Missouri
Kain, John Walter.....	I. <i>Dn.</i> .....	Iowa
Kalkman, George W.....	I. <i>Lw.</i> .....	Missouri
Kamm, Bernard August.....	II. <i>P. M.</i> .....	Indiana
Kane, Terence T.....	IV. <i>Dv.</i> .....	Illinois
Kanne, Charles Anthony.....	IV. <i>S.</i> .....	Ohio
Kaplan, Abe A.....	I. <i>Lw.</i> .....	Missouri
Karst, Bernard Sylvester.....	I. <i>Ph.</i> .....	Minnesota
Kattus, Joseph Henry.....	II. <i>Md.</i> .....	Ohio
Kauffman, Daniel E.....	I. <i>Md.</i> .....	Indiana
Kavanaugh, Alfred Louis.....	III. <i>Md.</i> .....	Missouri
Keefe, John J.....	II. <i>Dv.</i> .....	Illinois
Keegan, Harold Richard.....	II. <i>P. M.</i> .....	Illinois
Keegan, Ferdinand T.....	I. <i>S.</i> .....	Missouri
Kehoe, Horace Dean.....	IV. <i>Dn.</i> .....	Iowa
Keily, Maurice.....	III. <i>C. F.</i> .....	Missouri
Keller, Adam Jos.....	I. <i>Ph.</i> .....	Ohio
Keller, Arthur E.....	II. <i>C. F.</i> .....	Missouri
Keller, Walter R.....	II. <i>C. F.</i> .....	Missouri
Keller, O. Edwin.....	III. <i>Lw.</i> .....	Missouri



Kelley, Edward B.....	I. C. F.....	Iowa
Kelly, Edward Mortimer.....	III. Ph.....	Wisconsin
Kelly, Gerald A.....	I. S.....	Colorado
Kelly, Harold G.....	II. S.....	Minnesota
Kelly, James B.....	I. C. F.....	Missouri
Kelly, John R.....	I. Lw.....	Missouri
Kelly, Joseph J.....	II. C. F.....	Illinois
Kelly, Stephen E.....	IV. Ar.....	Illinois
Kelly, Vincent M.....	II. C. F.....	Illinois
Kelly, Walter E.....	I. Dv.....	Michigan
Kemp, Hardy Alfred.....	II. P. M.....	Missouri
Kemper, Anita P.....	III. C. F.....	Missouri
Kenkel, Frederick H.....	IV. Lw.....	Missouri
Kennedy, Francis H.....	II. Lw.....	Missouri
Kennedy, Paul V.....	II. S.....	Michigan
Kennel, William J.....	II. C. F.....	Missouri
Kenney, John Harold.....	I. P. M.....	Connecticut
Kenniker, Arthur A.....	II. C. F.....	Iowa
Kern, Alfred Eidman.....	I. Lw.....	Illinois
Kernan, Clarence F.....	I. Lw.....	Missouri
Keusenkothen, John L.....	I. Lw.....	Missouri
Kiely, Charles M.....	II. Lw.....	Missouri
Kienzle, G. J.....	II. C. F.....	Missouri
Kilfoy, Edward J.....	III. Md.....	Iowa
Kilian, John A.....	III. Dv.....	Ohio
Killacky, Benedict Peter.....	I. Ph.....	Illinois
Kilpatrick, Elizabeth.....	I. C. F.....	Illinois
Kincaid, Lester M.....	II. C. F.....	Missouri
Kincheloe, Charles N.....	II. C. F.....	Missouri
Kindig, Orville L.....	I. C. F.....	Iowa
Kingery, Daniel Raymond.....	II. Dn.....	Missouri
Kinkead, Samuel Marshall.....	IV. Dn.....	Missouri
Kirchhoff, William A.....	I. C. F.....	Missouri
Kirchmer, Miss Clara.....	III. C. F.....	Missouri
Kirsch, Alfred F.....	I. C. F.....	Illinois
Kiser, Carl Albert.....	I. Lw.....	Missouri
Klamon, Samuel.....	I. Lw.....	Missouri
Klein, Adrian.....	I. C. F.....	Missouri
Klein, Herman F.....	I. C. F.....	Missouri
Kline, Harry G.....	I. C. F.....	Missouri
Klocker, Francis Casper.....	IV. S.....	Missouri
Kluge, J. Hugo.....	III. C. F.....	Missouri
Knapp, Leo J.....	I. C. F.....	Missouri

Knupp, William B.	I. C. F.	Missouri
Koch, Herbert H.	I. C. F.	Missouri
Kocour, James Ladislas	I. Md.	Ohio
Koeb, Roland Anthony	II. Md.	Missouri
Koenig, Victor R.	II. C. F.	Illinois
Kohler, Eugene Jacob	II. Md.	Missouri
Kolb, Lillian	I. Lw.	Missouri
Kolmer, Joseph H.	II. C. F.	Missouri
Konzen, Leo H.	II. P. M.	Ohio
Korfmacher, William C.	III. Ar.	Missouri
Kotkis, Alexander Joseph	IV. Md.	Pennsylvania
Kovalcik, Paul P.	II. S.	Michigan
Kraeger, Anna M.	I. C. F.	Missouri
Kramer, Arthur Elmer	IV. Md.	Illinois
Krause, Irl Brown	IV. Md.	Missouri
Krawinkel, Joseph L.	I. C. F.	Missouri
Krebs, Joseph F.	I. C. F.	Illinois
Krehbiel, Carl H.	II. C. F.	Missouri
Krekeler, Edmund Herman	IV. Dn.	Illinois
Krekeler, Meinolf J.	II. C. F.	Missouri
Krieger, Stephen Raphael	IV. S.	Missouri
Kriwanek, Frank F.	II. C. F.	Missouri
Kroeger, Eleanor M.	I. C. F.	Missouri
Kroehnke, Walter H.	IV. Lw.	Missouri
Kruse, Otto P.	II. C. F.	Kansas
Kruse, Walter Edward	II. Md.	Indiana
Kubik, Emil W.	II. C. F.	Missouri
Kuhn, Alphonsus Casimir	III. S.	Illinois
Kurz, Rudolph F.	II. P. M.	Illinois
Labbe, Alfred T.	I. C. F.	Missouri
Lacson, Gasper P.	II. Lw.	Philippines
Ladenberger, Charles	I. C. F.	Missouri
Lahr, Norbert John	IV. Dn.	Minnesota
Lahrman, William A.	II. C. F.	Missouri
Lambillotte, Marcellus Thomas	III. S.	Ohio
Lando, Ray G.	IV. Dn.	Wisconsin
Lane, Clinton Welsh	IV. Md.	Kansas
Lane, Francis W.	I. C. F.	Missouri
Lane, Joseph Aloysius	III. S.	Illinois
Lane, William J., Jr.	III. C. F.	Missouri
Langan, John A.	I. C. F.	Missouri
Langen, Joseph F.	II. C. F.	Missouri
Lannon, Joseph T.	II. Dv.	Illinois

La Plante, Oscar Joseph.....	IV. S.....	Ohio
Larsen, Hans A.....	II. C. F.....	Kansas
Lauck, Louis A.....	I. Lw.....	Missouri
Lauck, Theodore E.....	I. C. F.....	Missouri
Lauer, Wilfred G.....	II. S.....	Illinois
Laughlin, Maurice.....	II. Lw.....	Iowa
Laughren, Leo F.....	I. Lw.....	Missouri
Laun, Oliver A.....	I. C. F.....	Missouri
Laundy, Frank H.....	II. C. F.....	Michigan
Laurie, Alexander.....	I. Lw.....	Missouri
Lavery, Joseph E.....	I. P. M.....	Kansas
Lavin, Patrick J.....	I. C. F.....	Missouri
Law, Raymond E.....	IV. Lw.....	Illinois
Lawlor, Bernard Leo.....	I. Dn.....	Illinois
Lee, Charles E.....	I. C. F.....	Iowa
Lee, Charles M.....	III. Lw.....	Iowa
Lee, Francis.....	II. Lw.....	Missouri
Lee, George Clay.....	I. Md.....	Missouri
Lee, Roy J.....	I. Lw.....	Illinois
Leever, Frank Marvin.....	II. Dn.....	Illinois
Lefebvre, Reginald Raymond.....	III. S.....	Michigan
Leight, William J.....	I. Md.....	Missouri
Leiker, Frank James.....	III. Dn.....	Kansas
Lembeck, Joseph A.....	I. Md.....	Missouri
Lembeck, Theodore H.....	I. C. F.....	Missouri
Lemmer, Jerome G.....	II. S.....	Michigan
Le May, Clifford Joseph.....	III. Ph.....	Canada
Lemon, Joseph L.....	III. Lw.....	Missouri
Lenaghan, Robert T.....	III. Md.....	Iowa
Lennon, Joseph A.....	II. Lw.....	Missouri
Leonard, Quirinus Peter.....	III. S.....	Minnesota
Lerner, Aaron B.....	II. C. F.....	Missouri
Lerner, Abe Frank.....	II. Md.....	Missouri
Lessard, Ernest J.....	I. C. F.....	Missouri
Lesseig, William E.....	I. C. F.....	Missouri
Levine, Charles.....	II. C. F.....	Missouri
Levis, William Paul.....	I. P. M.....	Illinois
Levy, Milton E.....	IV. Lw.....	Missouri
Lewedag, Walter C.....	I. C. F.....	Missouri
Lichte, Raymond Fred.....	II. Dn.....	Missouri
Lichtenstein, David B.....	I. Lw.....	Missouri
Lienhart, Conrad L.....	I. C. F.....	Nebraska
Lindauer, Curt C.....	II. Lw.....	Missouri

Linnell, Richard C.	II. C. F.	Kansas
Linton, Booker X.	II. Ar.	Missouri
Lister, Julius James	I. Md.	California
Lister, Lincoln	II. C. F.	Missouri
Lippold, John Peter	IV. Dn.	Iowa
Liston, Nicholas A.	II. Dv.	Illinois
Lloyd, Jesse Parris	I. Dn.	Texas
Lobeck, Arthur H.	I. C. F.	Missouri
Lodyga, Casimir James	II. Dn.	Missouri
Loescher, Herbert E.	I. Dn.	Illinois
Logan, Myrtle O.	IV. Lw.	Missouri
Lohman, Louis V.	II. C. F.	Missouri
Long, Vernon M.	I. Md.	Illinois
Lonneux, Martin J.	III. Dv.	Belgium
Lord, Daniel A.	I. Dv.	Illinois
Lorenz, William	II. C. F.	Missouri
Louis, Joseph G.	III. C. F.	Missouri
Lowe, Benjamin H.	I. C. F.	Missouri
Lowey, Robert O.	III. Lw.	Missouri
Loyd, Samuel G.	II. C. F.	Missouri
Luedde, Phillip N.	I. C. F.	Illinois
Lundergan, Joseph Michael	II. Dn.	Indiana
Lurkins, Earl H.	II. Lw.	Missouri
Lutz, Anthony G.	II. C. F.	Missouri
Lynch, Lawrence James	IV. S.	Ohio
Lynds, Clarence D.	II. C. F.	Missouri
Lyon, Harry A.	I. C. F.	Kansas
Lyons, Arthur J.	II. C. F.	Missouri
Lyons, George P.	II. C. P.	Missouri
Lyons, John Roger	I. Ph.	Wisconsin
McAleese, Charles Daniel	III. S.	Illinois
McCann, Oria Marcellus	II. Md.	Illinois
McCarthy, Leo W.	I. Lw.	Missouri
McCarthy, Paul Vincent	II. Md.	South Dakota
McCarthy, Raphael C.	IV. Dv.	Michigan
McCarthy, Thomas J.	II. Lw.	Missouri
McCartney, Harold F.	I. C. F.	Missouri
McCarty, J. Carroll	II. P. M.	Missouri
McClellan, Charles W.	I. C. F.	Missouri
McCollough, John W.	II. C. F.	Missouri
McConachie, Harry S.	I. C. F.	Missouri
McConnell, Joseph E.	I. C. F.	Missouri
McCormack, Robert L.	I. S.	Missouri



McCoy, George W.	III. C. F.	Iowa
McCracken, James A.	II. C. F.	Missouri
McCutchen, Lex Glin	I. Md.	Missouri
McDonald, Frank	I. F. C.	Illinois
McDonald, Helen	II. C. F.	Missouri
McDonnell, Joseph M.	I. C. F.	Missouri
McDonough, M. J.	III. C. F.	Missouri
McElmeel, Joseph F.	II. Dv.	Iowa
McElroy, King G.	II. Ar.	Missouri
McEnaney, Clifford T.	II. P. M.	Minnesota
McEwen, John	I. C. F.	Missouri
McFarland, Francis E.	I. C. F.	Missouri
McGaffigan, Henry C.	I. Lw.	Illinois
McGarry, Charles F.	III. C. F.	Missouri
McGee, James Lloyd	I. Dn.	Missouri
McGhee, William J.	I. C. F.	Missouri
McGiboney, David R.	I. C. F.	Missouri
McGill, Paul Rockhold	II. P. M.	Missouri
McGill, Thomas	I. P. M.	Illinois
McGinness, James S.	I. S.	Ohio
McGinnis, William S.	II. P. M.	Illinois
McGrail, George A.	III. Lw.	Missouri
McGrath, Edward Aloysius	III. S.	Missouri
McGuire, John Joseph	II. P. M.	California
McGuire, Wm. B.	I. Lw.	Missouri
McHale, Ernest R.	III. Lw.	Illinois
McHugh, William Jerome	III. Md.	Pennsylvania
McInerny, John Joseph	III. Ph.	Missouri
McInerny, Martin Thomas	III. S.	Missouri
McIntyre, William Kress	II. Md.	Ohio
McKelvey, John Allen	II. Dn.	Illinois
McKemie, Hubert H.	I. S.	Illinois
McKenna, William O.	I. Lw.	Missouri
McKillop, Frank Ellsworth	III. Dn.	South Dakota
McKinney, Dell	III. Lw.	Washington
McKeon, John J.	I. C. F.	Missouri
McKeon, Smith T.	I. Lw.	Missouri
McLaughlin, James E.	I. Lw.	Missouri
McMahan, Earl P.	I. C. L.	Missouri
McMahon, Elmer E.	IV. Lw.	Iowa
McMahon, Gerard	II. Ar.	Missouri
McMahon, Henry J.	V. Lw.	Missouri
McMahon, Leo Hartney	I. Md.	Minnesota

McMahon, Louis A.....	II. C. F.....	Missouri
McMahon, Patrick L.....	I. C. F.....	Iowa
McNamara, Daniel D.....	I. S.....	Wisconsin
McNamara, J. Francis.....	I. Lw.....	Indiana
McNamara, Marion.....	I. C. F.....	Missouri
McNamee, Owen James.....	IV. Md.....	Missouri
McNulty, George A.....	IV. Ar.....	Missouri
McNulty, John Joseph.....	I. Lw.....	Missouri
McTigue, Hugh Hubert.....	II. Md.....	Ohio
Maas, James W.....	I. C. F.....	Missouri
Macbeth, Malcolm.....	I. Ar.....	Missouri
Macke, Francis Joseph.....	III. Ph.....	Ohio
Mackmull, Matthew G.....	II. P. M.....	Ohio
Magee, Charles Delbert.....	I. P. M.....	Missouri
Magee, William M.....	III. Dv.....	Illinois
Maguire, Edward Cagney.....	III. S.....	Illinois
Maguire, Joseph A.....	I. Lw.....	Missouri
Mahanes, Paul W.....	I. C. F.....	Missouri
Maher, John William.....	I. Dn.....	Illinois
Mahoney, Audrey W.....	I. Lw.....	Missouri
Mahoney, Beverly A.....	I. Lw.....	Missouri
Mahoney, Floyd C.....	I. Lw.....	Missouri
Mahoney, F. Jerome.....	II. Ph.....	Colorado
Main, George Chrysop.....	I. Md.....	Illinois
Majerowski, Ladislaus Aloysius.....	III. S.....	Illinois
Mallon, Charles Edward.....	II. Ph.....	Wisconsin
Maloy, Clarence E.....	II. Ar.....	Missouri
Manhard, Edward P.....	II. S.....	Illinois
Manion, Peter John.....	II. P. M.....	Minnesota
Manion, Wm. P.....	I. Dv.....	Missouri
Manley, Louis Vincent.....	I. Md.....	South Dakota
Mann, Nicholas Henry.....	IV. S.....	Illinois
Manning, David F., Jr.....	I. Md.....	Missouri
Manning, Francis J.....	III. Lw.....	Illinois
Maples, William A.....	I. Lw.....	Missouri
Marchand, John G.....	I. Md.....	Missouri
Markert, Catherine G.....	III. C. F.....	Illinois
Markoe, John Prince.....	I. Ph.....	Minnesota
Marks, Vivia A.....	II. Lw.....	Missouri
Marling, Peter Paul.....	II. Dn.....	Missouri
Marre, Angelo J.....	III. Lw.....	Missouri
Martin, Leo.....	I. Dv.....	Montana
Martin, Samuel C.....	II. C. F.....	Missouri

Martin, Thomas M.....	I. <i>Ar.</i> .....	Missouri
Martinez, Rafael.....	II. <i>Md.</i> .....	Honduras
Maruska, Edwin J.....	III. <i>C. F.</i> .....	Missouri
Maslanka, Thaddeus R.....	III. <i>Ar.</i> .....	Missouri
Massey, Loren E.....	II. <i>C. F.</i> .....	Missouri
Masterson, Leo M.....	I. <i>C. F.</i> .....	Missouri
Masterson, Lloyd Aloysius.....	I. <i>P. M.</i> .....	Missouri
Masterson, William C.....	I. <i>C. F.</i> .....	Missouri
Matheson, George David.....	II. <i>Dn.</i> .....	Washington
Mathews, James Lyman.....	I. <i>P. M.</i> .....	Missouri
Matoushek, Joseph.....	III. <i>Dv.</i> .....	Japan
Matsusawa, Ryohei.....	IV. <i>Dn.</i> .....	Japan
Mattingly, Barak T.....	I. <i>Lw.</i> .....	Missouri
Mattox, William A.....	I. <i>C. F.</i> .....	Missouri
Mayer, Leo Loeb.....	III. <i>Md.</i> .....	Missouri
Mead, Voil L.....	II. <i>C. F.</i> .....	Kansas
Meade, Victor Ray.....	IV. <i>Dn.</i> .....	Missouri
Meagher, Philip P.....	II. <i>C. F.</i> .....	Washington
Meara, Francis P.....	III. <i>Lw.</i> .....	Missouri
Medler, Francis J.....	II. <i>Md.</i> .....	Missouri
Meek, Teddy.....	II. <i>Dn.</i> .....	Illinois
Meeker, Prosper H.....	I. <i>Lw.</i> .....	Missouri
Mehaffy, Carl Poe.....	II. <i>Dn.</i> .....	Arkansas
Mehigan, Francis J.....	I. <i>S.</i> .....	Wisconsin
Mehl, Walter F.....	I. <i>C. F.</i> .....	Missouri
Meinhardt, Edgar F.....	II. <i>C. F.</i> .....	Missouri
Meinhardt, Victor J.....	Sp. <i>Ar.</i> .....	Missouri
Melchiors, Joseph Peter.....	III. <i>Ph.</i> .....	Wisconsin
Melendez, Juan.....	II. <i>Md.</i> .....	Maryland
Menager, Francois Marie.....	II. <i>Dv.</i> .....	France
Mentag, Joseph P.....	III. <i>Dv.</i> .....	Indiana
Menzi, Albert M.....	II. <i>Lw.</i> .....	Missouri
Merkle, Clarence E.....	II. <i>S.</i> .....	Illinois
Merriman, Clifford F.....	I. <i>C. F.</i> .....	Missouri
Merryman, Harold A.....	II. <i>Dn.</i> .....	Iowa
Merz, Frank L.....	I. <i>Lw.</i> .....	Missouri
Mesirow, Leon F.....	I. <i>C. F.</i> .....	Missouri
Meskell, James A.....	III. <i>Dv.</i> .....	Illinois
Messmer, Albert J.....	I. <i>C. F.</i> .....	Missouri
Metzger, Charles H.....	II. <i>Dv.</i> .....	Ohio
Metzler, Frederick L.....	II. <i>C. F.</i> .....	Missouri
Metzler, Henry F.....	II. <i>C. F.</i> .....	Missouri
Meyer, John James.....	III. <i>S.</i> .....	Ohio

Meyer, Louis E.....	I. S.....	Missouri
Meyer, Wallace H.....	I. C. F.....	Missouri
Meyer, Walter W.....	II. C. F.....	Missouri
Milford, John W.....	III. Lw.....	Missouri
Miller, Carl A.....	II. C. F.....	Missouri
Miller, Charles A.....	I. C. F.....	Missouri
Miller, Hugh.....	I. C. F.....	Illinois
Miller, Joseph H.....	II. Lw.....	Missouri
Miller, Louis E.....	III. Lw.....	Kentucky
Miller, Okey.....	I. C. F.....	Illinois
Miller, Paul R.....	II. Lw.....	Missouri
Miller, Robert Frederick.....	I. P. M.....	Ohio
Miller, Thomas W.....	III. Ar.....	Illinois
Milsark, Michael J.....	I. Lw.....	Missouri
Minnis, James L.....	II. Lw.....	Missouri
Minton, Charles E.....	II. Lw.....	Missouri
Mitchell, Harry V.....	I. Lw.....	Missouri
Mitchell, Jerome B.....	II. P. M.....	Illinois
Mitchell, N. Hogan.....	I. P. M.....	Illinois
Mitchell, William Franklin.....	IV. Md.....	Missouri
Mitze, Harold.....	I. C. F.....	Iowa
Mizera, Charles P.....	I. Dn.....	Illinois
Moberg, John O.....	III. Lw.....	Missouri
Moder, Alois.....	I. Lw.....	Missouri
Moeller, William L.....	II. C. F.....	Missouri
Moellman, George J.....	I. C. F.....	Missouri
Mohn, Frederick E.....	I. C. F.....	Missouri
Molloy, Vincent C.....	I. Md.....	Ohio
Molumby, Leonard W.....	I. C. F.....	Missouri
Monaghan, Charles R.....	I. Dn.....	Kansas
Monaghan, Walter J.....	II. Md.....	Missouri
de Monsabert, Andre J.....	IV. Dv.....	Louisiana
Monserat, Antonio.....	II. Md.....	Porto Rico
Montroy, Daniel G.....	I. C. F.....	Illinois
Monville, Lawrence J.....	I. S.....	Michigan
Moomaw, Harold L.....	I. C. F.....	Illinois
Moomaw, Ora Albert.....	III. Dn.....	Illinois
Moore, Clifford L.....	III. C. F.....	Missouri
Moore, Eugene Franklin.....	II. Md.....	Missouri
Moore, John H.....	I. C. F.....	Missouri
Moose, Francis X.....	I. C. F.....	Illinois
Moran, Harry B.....	II. C. F.....	Missouri
Moran, Thomas J.....	II. P. M.....	Illinois



Morgan, Edward J.	III. <i>Dv.</i>	Wisconsin
Morgan, H. Joseph	II. <i>Lw.</i>	Illinois
Moriarty, John Lawrence	III. <i>Dn.</i>	Ohio
Morris, Charles V.	I. <i>C. F.</i>	Missouri
Morris, Earl Fayette	I. <i>Md.</i>	Missouri
Morris, Glendye E.	I. <i>Lw.</i>	Missouri
Morris, Oscar J.	II. <i>C. F.</i>	Missouri
Morrison, Joseph A.	IV. <i>Lw.</i>	Missouri
Mors, Julius	V. <i>Lw.</i>	Missouri
Morse, Stanley S.	I. <i>C. F.</i>	Missouri
Morton, Arthur J.	II. <i>Dv.</i>	Massachusetts
Mosner, Roy J.	II. <i>C. F.</i>	Missouri
Motzel, Albert Joseph	IV. <i>Md.</i>	Missouri
Moulton, Ova Lovean	II. <i>Dn.</i>	Illinois
Muckerman, Walter B.	I. <i>C. F.</i>	Missouri
Mudd, James Linus	II. <i>Md.</i>	Missouri
Mudd, Randolph	III. <i>Ar.</i>	Missouri
Mueller, Andrew H.	I. <i>C. F.</i>	Missouri
Mueller, Edwin Leo	IV. <i>Md.</i>	Texas
Mueller, Etta	I. <i>C. F.</i>	Missouri
Mueller, Henry A.	II. <i>C. F.</i>	Missouri
Mueller, Thomas E.	I. <i>C. F.</i>	Nebraska
Mueller, Wilber Kenneth	I. <i>Md.</i>	Missouri
Mulcahy, Michael F.	I. <i>Lw.</i>	Missouri
Muldoon, Thomas F.	II. <i>Lw.</i>	Missouri
Mulhern, Patrick J.	II. <i>Dv.</i>	Illinois
Mullaney, Eugene Philip	III. <i>Ph.</i>	Wisconsin
Mullany, Leo H.	II. <i>Dv.</i>	Iowa
Mullen, Cornelius V.	I. <i>Dv.</i>	California
Muniz, Antonio	II. <i>Md.</i>	Porto Rico
Muren, Edward J.	II. <i>C. F.</i>	Missouri
Muren, Lee J.	II. <i>C. F.</i>	Missouri
Murphey, Helen E.	I. <i>C. F.</i>	Missouri
Murphy, Anselm B.	I. <i>Ar.</i>	Missouri
Murphy, David J.	II. <i>Lw.</i>	Missouri
Murphy, Harold Aloysius	I. <i>P. M.</i>	Ohio
Murphy, James Edward	II. <i>Md.</i>	Missouri
Murphy, James J.	I. <i>C. F.</i>	Missouri
Murphy, John P.	I. <i>Ar.</i>	Missouri
Murphy, Joseph Patrick	IV. <i>Md.</i>	Missouri
Murphy, Lawrence Edward	I. <i>Dn.</i>	Missouri
Murphy, Lyman Clements	IV. <i>Md.</i>	Missouri
Murphy, Paul J.	II. <i>C. F.</i>	Missouri

Murphy, Thomas Henry	IV. S.	Missouri
Murphy, William John	III. Ph.	Ohio
Murphy, William R.	IV. Lw.	Missouri
Murray, Bernard J.	III. Dv.	Colorado
Murray, Marshall G.	I. C. F.	Missouri
Murray, Ruth M.	II. Lw.	Missouri
Murrin, John Owen	IV. Md.	Missouri
Naert, Alphonse Leo	IV. Dn.	Missouri
Nagamachi, Akira	IV. Dn.	Japan
Navarro, Armando Silva	III. Md.	Porto Rico
Naughton, Sarsfield A.	I. Lw.	Missouri
Naunheim, Herman J.	III. Lw.	Missouri
Nazario, Lorenzo	II. Md.	Porto Rico
Nelson, Edward A.	I. C. F.	Missouri
Nestor, Martin F.	I. C. F.	Missouri
Nettle, Walter Harmony	I. Dn.	Missouri
Neu, Bernard A.	IV. Dv.	New York
Neu, Leo T.	I. C. F.	Missouri
Neubeiser, Joseph Benedict	IV. Md.	Missouri
Neuhaus, Clemens H.	II. C. F.	Missouri
Neumann, Clemens M.	III. C. F.	Missouri
Nevins, Lynn W.	II. C. F.	Missouri
Newell, Paul Wm.	II. Lw.	Missouri
Newell, Walter F.	I. Ar.	Missouri
Newman, George Wm.	II. P. M.	Missouri
Newman, Vance	III. Lw.	Missouri
Newton, Ray Eugene	I. Md.	Michigan
Niemann, Oscar J.	I. C. F.	Missouri
Niemeier, Carl F.	II. C. F.	Illinois
Nifong, Shirley C.	II. C. F.	Missouri
Nirk, Horace H.	III. C. F.	Missouri
Nitschke, LeRoy A.	II. C. F.	Missouri
Norton, Harry Aloysius	II. Ph.	Ohio
Novotny, Edward Joseph	IV. Md.	Ohio
Nuelle, Robert A.	I. C. F.	Missouri
Nunn, John B.	III. C. F.	Missouri
Nye, William Rolla	IV. Md.	Missouri
O'Brien, Daniel T.	I. C. F.	Illinois
O'Brien, Edward C.	I. Md.	Iowa
O'Brien, Harold J.	III. C. F.	Missouri
O'Brien, James H.	II. C. F.	Missouri
O'Brien, John J.	I. S.	Missouri
O'Brien, Thomas	III. C. F.	Missouri

O'Connell, Arthur James.....	IV. S.....	Ohio
O'Connell, Virginia .....	I. C. F.....	Missouri
O'Connor, Eugene J.....	III. Dv.....	Georgia
O'Connor, Jerome Frederick.....	I. Ph.....	Wisconsin
O'Connor, Robert Emmett.....	II. Md.....	California
O'Connor, Thomas Andrew.....	III. S.....	New York
O'Connor, Patrick J.....	II. C. F.....	Missouri
O'Donnell, Margaret.....	I. C. F.....	Missouri
O'Donnell, May .....	I. C. F.....	Missouri
O'Flaherty, Vincent M.....	I. S.....	Nebraska
O'Hanlon, Thomas F.....	IV. Lw.....	Missouri
O'Hern, Francis J.....	II. Dv.....	Iowa
O'Neal, Frank Etson.....	I. Dn.....	Missouri
O'Neill, Burke John.....	III. S.....	Ohio
O'Neill, Felix B.....	II. Lw.....	Oklahoma
O'Neill, James Fred.....	II. Dn.....	Iowa
O'Neill, Mary F.....	I. C. F.....	Missouri
O'Neill, Thomas H.....	II. C. F.....	Missouri
O'Reagan, James J.....	II. Div.....	Illinois
O'Shaughnessy, Wm. J.....	II. Dv.....	Wisconsin
O'Toole, William Lawrence.....	I. Lw.....	Illinois
Ohmer, Charles F.....	III. Lw.....	Missouri
Oldeg, Leonard L.....	IV. Lw.....	Missouri
Oliver, Charles C.....	I. C. F.....	Florida
Oppenheimer, Karl D.....	III. C. F.....	Missouri
Orford, James F.....	II. S.....	Missouri
Ormsby, Joseph A.....	I. S.....	Wisconsin
Osborn, Kennett A.....	I. Lw.....	Missouri
Ossege, Arthur B.....	I. P. M.....	Ohio
Oswald, Charles J.....	I. C. F.....	Missouri
Otten, Bernard J.....	I. C. F.....	Missouri
Owens, George M.....	I. Lw.....	Tennessee
Owings, Zebulon P.....	I. C. F.....	Missouri
Pack, A. Albert.....	I. Dn.....	Michigan
Palazzolo, Peter .....	II. P. M.....	Missouri
Paradise, Elmer H.....	II. C. F.....	Illinois
Paradise, Norman A. R.....	I. Lw.....	Missouri
Paruzynski, Wm. F.....	IV. Dv.....	Wisconsin
Patton, Leslie Endicott.....	I. Md.....	Missouri
Paul, Earle Evarts.....	I. Dn.....	Illinois
Paul, Gus H.....	III. C. F.....	Missouri
Paule, Charles Edward.....	Sp. Md.....	Kentucky
Pauley, Frank C.....	I. C. F.....	Missouri

Paulinski, Edmund Alois.....	II. <i>Dn.</i> .....	Ohio
Pauly, George A.....	III. <i>Lw.</i> .....	Missouri
Pautler, Ermin A.....	I. <i>P. M.</i> .....	Illinois
Paxton, J. C.....	III. <i>C. F.</i> .....	Missouri
Payne, Guy H.....	II. <i>C. F.</i> .....	Kansas
Peacock, Francis X.....	II. <i>Div.</i> .....	Wisconsin
Peacock, Lee Wallace.....	II. <i>Md.</i> .....	Michigan
Pearson, Nelson Tinsley.....	II. <i>Md.</i> .....	Missouri
Peat, Arthur R.....	I. <i>C. F.</i> .....	Missouri
Pecher, Edward G.....	I. <i>C. F.</i> .....	Missouri
Pecord, Oliver James.....	II. <i>P. M.</i> .....	Ohio
Pemberton, B. F.....	II. <i>C. F.</i> .....	Illinois
Penaat, William H.....	IV. <i>Lw.</i> .....	Missouri
Peet, Edward C.....	II. <i>C. F.</i> .....	Missouri
Perry, James Cecil.....	III. <i>S.</i> .....	Colorado
Perkins, William H.....	III. <i>C. F.</i> .....	Missouri
Peters, Charles M.....	I. <i>C. F.</i> .....	Kansas
Peterson, Ervin L.....	II. <i>C. F.</i> .....	Missouri
Peth, Arthur W.....	III. <i>Lw.</i> .....	Illinois
Pettit, Aloysius S.....	II. <i>Div.</i> .....	Wisconsin
Pfeffer, Francis J.....	IV. <i>Ar.</i> .....	Missouri
Phee, Martin J.....	III. <i>Div.</i> .....	Illinois
Phelan, Joseph L.....	I. <i>C. F.</i> .....	New York
Phelan, William.....	I. <i>Lw.</i> .....	Missouri
Phillips, J. Henry.....	II. <i>Md.</i> .....	Iowa
Phillips, Henry M.....	II. <i>Lw.</i> .....	Missouri
Philipps, Murray.....	I. <i>Ar.</i> .....	Missouri
Phillips, Oscar C.....	II. <i>C. F.</i> .....	Missouri
Pickel, Alfred.....	I. <i>C. F.</i> .....	Missouri
Piekarski, Anthony Andrew.....	I. <i>Md.</i> .....	Missouri
Piekenbrock, Frank J.....	IV. <i>Md.</i> .....	Iowa
Pieper, Henry W.....	II. <i>Ar.</i> .....	Missouri
Pinkston, Basil A.....	I. <i>C. F.</i> .....	Missouri
Plent, John Richard.....	IV. <i>Md.</i> .....	Ohio
Ploch, Bernard.....	I. <i>Md.</i> .....	Missouri
Ploussard, Charles Nicholas.....	III. <i>Md.</i> .....	Illinois
Plumlee, William C.....	II. <i>P. M.</i> .....	New Mexico
Podesta, Virgil Louis.....	I. <i>Dn.</i> .....	Missouri
Podsedly, John A.....	I. <i>P. M.</i> .....	Ohio
Polak, William T.....	III. <i>Lw.</i> .....	Missouri
Polski, John Leonard.....	III. <i>Ph.</i> .....	Nebraska
Pool, Martin B.....	II. <i>C. F.</i> .....	Missouri
Pope, Andrew Jackson.....	II. <i>Dn.</i> .....	Mississippi



Pope, William H.....	IV. <i>Lw.</i> .....	Illinois
Porrazzo, Andrew Paul.....	IV. <i>Md.</i> .....	New York
Porter, Earl D.....	II. <i>C. F.</i> .....	Missouri
Porter, John H.....	I. <i>C. F.</i> .....	Nebraska
Porter, John Lancaster.....	I. <i>Md.</i> .....	Missouri
Poston, Grover C.....	III. <i>Lw.</i> .....	Missouri
Powell, George McArdle.....	IV. <i>Md.</i> .....	Missouri
Powell, Manley Clay.....	IV. <i>Dn.</i> .....	Illinois
Pratte, Burgette Leon.....	II. <i>Dn.</i> .....	Missouri
Preece, Wade Owen.....	III. <i>Md.</i> .....	Nebraska
Preiss, William H.....	I. <i>Lw.</i> .....	Missouri
Prevallet, Val. A.....	I. <i>Lw.</i> .....	Missouri
Price, Lloyd Verl.....	II. <i>Dn.</i> .....	Missouri
Prichard, Lester A.....	I. <i>Lw.</i> .....	Missouri
Pueser, Walter A.....	I. <i>Dn.</i> .....	Missouri
Puhl, Louis J.....	IV. <i>Div.</i> .....	Ohio
Pulskamp, Bertrand Henry.....	I. <i>Md.</i> .....	Indiana
Purteet, Bryan.....	II. <i>Lw.</i> .....	Missouri
Quade, George C.....	I. <i>C. F.</i> .....	Nebraska
Quermann, John E.....	II. <i>C. F.</i> .....	Missouri
Quinn, Clarence A.....	II. <i>C. F.</i> .....	Missouri
Quinn, John F.....	I. <i>Div.</i> .....	Illinois
Quinn, Robert J.....	I. <i>Ar.</i> .....	Missouri
Quirin, Warren Sylvester.....	IV. <i>Md.</i> .....	Missouri
Quirk, John Timothy.....	I. <i>Md.</i> .....	Ohio
Quirk, William Leo.....	I. <i>Lw.</i> .....	Missouri
Rabitt, Helen A.....	III. <i>C. F.</i> .....	Missouri
Radford, Roy H.....	II. <i>C. F.</i> .....	Missouri
Rafferty, Peter A.....	I. <i>C. F.</i> .....	Missouri
Raidt, Peter J.....	III. <i>C. F.</i> .....	Missouri
Raines, James Marion.....	I. <i>P. M.</i> .....	Missouri
Rainwater, Russell Crews.....	III. <i>Dn.</i> .....	Illinois
Rake, Emil G.....	II. <i>C. F.</i> .....	Missouri
Rankin, Robert G.....	I. <i>C. F.</i> .....	Missouri
Rapp, Henry Emil.....	II. <i>P. M.</i> .....	Missouri
Rassicur, George M.....	I. <i>C. F.</i> .....	Missouri
Rathert, Norman Fred.....	I. <i>Dn.</i> .....	Missouri
Ratican, William A., Jr.....	III. <i>Lw.</i> .....	Missouri
Rawe, John C.....	III. <i>Lw.</i> .....	Illinois
Rawleigh, George Nelson.....	Sp. <i>Md.</i> .....	Kentucky
Ray, Dewey F.....	I. <i>Lw.</i> .....	Illinois
Real, Mackey Joseph.....	II. <i>Dn.</i> .....	Iowa
Reardon, Daniel P., Jr.....	I. <i>Lw.</i> .....	Missouri

Reardon, Daniel P.....	Sp. <i>Ar.</i> .....	Missouri
Reardon, John A.....	IV. <i>Lw.</i> .....	Missouri
Reardon, John Edward.....	IV. <i>S.</i> .....	Ohio
Rechtern, Ralph H.....	IV. <i>Ar.</i> .....	Missouri
Rechtien, Leo W.....	II. <i>C. F.</i> .....	Missouri
Recto, Alberto R.....	I. <i>C. F.</i> .....	Philippines
Redd, Lewis.....	II. <i>C. F.</i> .....	Illinois
Reddy, Bernard A.....	I. <i>S.</i> .....	Michigan
Reed, William T.....	I. <i>Dv.</i> .....	New York
Reel, William G.....	III. <i>Lw.</i> .....	Missouri
Reeves, Eugene.....	Sp. <i>Ar.</i> .....	Missouri
Regan, John A.....	I. <i>Dv.</i> .....	New York
Regnet, Henry H.....	IV. <i>Dv.</i> .....	New York
Regnier, Walter Ovid.....	I. <i>P. M.</i> .....	Illinois
Rejent, Anthony Joseph.....	IV. <i>Md.</i> .....	Ohio
Reilly, Albert M.....	I. <i>Lw.</i> .....	Missouri
Reilly, Daniel W.....	I. <i>Dn.</i> .....	Mississippi
Reiley, Harold A.....	II. <i>Dv.</i> .....	New York
Reilly, Thomas Francis.....	II. <i>Md.</i> .....	Missouri
Rein, Henrietta E.....	II. <i>C. F.</i> .....	Missouri
Reinhardt, Leonard O.....	I. <i>C. F.</i> .....	Illinois
Reinheimer, Clarence J.....	I. <i>C. F.</i> .....	Missouri
Reis, Andrew Joseph.....	I. <i>Dn.</i> .....	Illinois
Remley, Edmund Benedict.....	IV. <i>Dn.</i> .....	Minnesota
Rensburg, Martin H.....	I. <i>C. F.</i> .....	Missouri
Renard, Henri Joseph.....	I. <i>Ph.</i> .....	French W. Indies
Renshaw, Joseph Adolph.....	II. <i>Ph.</i> .....	Spain
Reuter, Adolph G.....	I. <i>C. F.</i> .....	Illinois
Reuter, Edward H.....	II. <i>C. F.</i> .....	Missouri
Reuter, John P.....	I. <i>C. F.</i> .....	Missouri
Reynolds, Edward Dore.....	II. <i>Ph.</i> .....	Illinois
Richter, Edward Walter.....	I. <i>P. M.</i> .....	Missouri
Riefling, Richard G.....	I. <i>Ar.</i> .....	Missouri
Riethmann, Louis W.....	I. <i>C. F.</i> .....	Illinois
Riley, Agnes M.....	I. <i>Lw.</i> .....	Missouri
Riley, M. Kelly.....	I. <i>Lw.</i> .....	Illinois
Riley, Philip Arthur.....	IV. <i>Md.</i> .....	Michigan
Riley, William H.....	II. <i>P. M.</i> .....	Missouri
Rinck, George W.....	II. <i>Lw.</i> .....	Illinois
Ring, Paul F.....	II. <i>Ar.</i> .....	Missouri
Ringo, Henry Jobe.....	II. <i>Md.</i> .....	Missouri
Rinnert, Kenneth Maine.....	I. <i>Dn.</i> .....	Illinois
Ritter, Glenn Arthur.....	I. <i>Dn.</i> .....	Illinois

Ritter, Harry O.....	I. C. F.....	Kentucky
Ritzel, Roy A.....	I. C. F.....	Missouri
Roach, Harold John.....	I. Dn.....	Michigan
Roberson, Harold C.....	II. C. F.....	Missouri
Roberts, James A.....	II. C. F.....	Missouri
Roberts, John Richard.....	II. P. M.....	Illinois
Robertson, Louis A.....	II. Lw.....	Missouri
Roche, Caroline I.....	II. C. F.....	Missouri
Koche, William J.....	II. C. F.....	Missouri
Koche, William J.....	II. Md.....	Illinois
Rodenheim, Robert.....	I. C. F.....	Missouri
Roe, Edward F.....	III. C. F.....	Missouri
Rogan, Joseph P.....	II. C. F.....	Missouri
Rogan, M. Laine.....	I. Lw.....	Missouri
Rogers, Clarence E.....	I. Lw.....	Illinois
Rogers, Harry E.....	III. C. F.....	Missouri
Rohan, Richard K.....	I. Ar.....	Missouri
Rohan, Philip G.....	IV. Ar.....	Missouri
Romero, John.....	II. Dn.....	Central America
Rooney, Eugene Francis.....	II. Md.....	Illinois
Rooney, Leo D.....	I. Dv.....	Michigan
Roper, Delbert D.....	I. Lw.....	Illinois
Roschki, Herbert B.....	I. C. F.....	Missouri
Rosen, Charles Samuel.....	II. Md.....	Missouri
Ross Marie C.....	II. C. F.....	Missouri
Ross, Radford Irwin.....	I. Md.....	Idaho
Rotchford, Robert Lee.....	IV. Md.....	Washington
Rotermund, Albert J.....	II. C. F.....	Missouri
Rotermund, Walter F.....	II. C. F.....	Missouri
Rotter, Edmund A.....	II. C. F.....	Missouri
Roubik, Joseph.....	I. Dv.....	Illinois
Rounsavell, Joseph H.....	I. C. F.....	Kansas
Roy, Percy A.....	I. Dv.....	Louisiana
Royse, Roy P.....	II. P. M.....	Illinois
Rozier, G. Aloysius.....	I. Lw.....	Missouri
Rubenstein, William Evans.....	II. Md.....	Missouri
Rubent, Rudolph.....	II. C. F.....	Missouri
Rude, Joseph P.....	I. C. F.....	Iowa
Ruffer, Earl P.....	I. C. F.....	Illinois
Ruhl, Eugene A.....	II. C. F.....	Missouri
Ruppel, Peter A.....	II. C. F.....	Missouri
Rusk, Fred G.....	I. C. F.....	Missouri
Russell, Robert Michael.....	IV. S.....	Ohio

Rutledge, Richard Martin.....	IV. <i>Md.</i> .....	Missouri
Ruwwe, George Henry.....	IV. <i>Dn.</i> .....	Missouri
Ryan, F. Campbell.....	II. <i>Ar.</i> .....	Missouri
Ryan, George J.....	I. <i>Ph.</i> .....	Missouri
Ryan, James B.....	III. <i>Lw.</i> .....	Missouri
Ryan, John Aloysius.....	I. <i>Ph.</i> .....	Illinois
Ryan, John Harold.....	I. <i>Md.</i> .....	Missouri
Ryan, O'Neill J., Jr.....	I. <i>C. F.</i> .....	Missouri
Ryan, William A.....	IV. <i>Dv.</i> .....	Ohio
Ryan, William Dominic.....	II. <i>Ph.</i> .....	Colorado
Rychnovsky, Lewis Joseph.....	I. <i>Dn.</i> .....	Iowa
Sacasa, Ferdinand J.....	II. <i>Dv.</i> .....	Spain
Sach-Rowitz, Alvin.....	IV. <i>Md.</i> .....	Missouri
Sadlo, Miro C.....	I. <i>C. F.</i> .....	Missouri
Sadowska, Marie L.....	II. <i>C. F.</i> .....	Missouri
Sala, Angelo Michael.....	IV. <i>Md.</i> .....	New York
Salland, Henry R.....	III. <i>Ar.</i> .....	Missouri
Salomo, Ervin A.....	V. <i>Lw.</i> .....	Missouri
Sanders, Clarence.....	II. <i>Ar.</i> .....	Missouri
Sauer, Earl Joseph.....	II. <i>Dn.</i> .....	Illinois
Savage, Patrick F.....	III. <i>Dv.</i> .....	California
Sazima, Henry Charles.....	III. <i>Dn.</i> .....	Ohio
Scarlett, Norvel K.....	I. <i>C. F.</i> .....	Missouri
Schaberg, George L.....	II. <i>C. F.</i> .....	Missouri
Schaefer, George J.....	III. <i>Md.</i> .....	Illinois
Schaefer, Leo Joseph.....	III. <i>Md.</i> .....	Kansas
Schaffner, Charles E.....	III. <i>Lw.</i> .....	Missouri
Schatzman, Lawrence G.....	III. <i>Lw.</i> .....	Missouri
Schauerte, Martin G.....	II. <i>Lw.</i> .....	Illinois
Scheibe, Clarence.....	III. <i>Lw.</i> .....	Missouri
Schenk, Raymond A.....	II. <i>Ar.</i> .....	Missouri
Scherer, Peter J.....	IV. <i>Dv.</i> .....	Indiana
Schermer, Jake.....	II. <i>Md.</i> .....	Illinois
Scherr, Peter Joseph.....	II. <i>P. M.</i> .....	Kansas
Schewe, Earl Cranston.....	IV. <i>Dn.</i> .....	Missouri
Schiermann, John C.....	II. <i>C. F.</i> .....	Missouri
Schiess, Katherine B.....	I. <i>C. F.</i> .....	Missouri
Schloeman, Daniel J.....	II. <i>Lw.</i> .....	Missouri
Schlusser, Francis X.....	III. <i>Lw.</i> .....	Missouri
Schlueter, Harold W.....	I. <i>C. F.</i> .....	Missouri
Schmidt, Edwin Martin.....	II. <i>Md.</i> .....	Ohio
Schmick, Eugene J.....	II. <i>Lw.</i> .....	Missouri



Schmitt, Alphonse R.....	IV. <i>Dv.</i> .....	Ohio
Schmitz, Joseph G.....	III. <i>C. F.</i> .....	Missouri
Schmoll, Irwin M.....	I. <i>Lw.</i> .....	Missouri
Schnadt, Clarence A.....	III. <i>C. F.</i> .....	Missouri
Schneck, Nathan.....	III. <i>Md.</i> .....	New York
Schneider, Arthur A.....	III. <i>Lw.</i> .....	Missouri
Schneider, Clarence E.....	II. <i>C. F.</i> .....	Missouri
Schneider, Julius Emanuel.....	I. <i>Dn.</i> .....	Illinois
Schneider, Julius F.....	II. <i>C. F.</i> .....	Missouri
Schneider, Lawrence E.....	I. <i>S.</i> .....	Colorado
Schneider, Louis F.....	III. <i>C. F.</i> .....	Missouri
Schneider, Otto L.....	I. <i>C. F.</i> .....	Missouri
Schneider, Nicholas Aloys.....	IV. <i>Md.</i> .....	Missouri
Schneider, Simon C.....	II. <i>C. F.</i> .....	Missouri
Schneider, Vincent Augustine.....	I. <i>Md.</i> .....	Missouri
Schneider, William W.....	V. <i>Lw.</i> .....	Missouri
Schnitzmeier, Rose.....	II. <i>C. F.</i> .....	Missouri
Schoen, George R.....	III. <i>C. F.</i> .....	Missouri
Schofield, Marion K.....	I. <i>C. F.</i> .....	Missouri
Schofield, Mark P.....	I. <i>C. F.</i> .....	Missouri
Schrader, Durlin W.....	I. <i>C. F.</i> .....	Missouri
Schroeder, George Phillip.....	IV. <i>Dn.</i> .....	Missouri
Schubkegel, Erwin G.....	I. <i>C. F.</i> .....	Missouri
Schuck, Walter T.....	I. <i>C. F.</i> .....	Illinois
Schuler, Anton.....	II. <i>Lw.</i> .....	Missouri
Schulte, Carl W.....	I. <i>C. F.</i> .....	Missouri
Schulte, Harry J.....	I. <i>Lw.</i> .....	Missouri
Schulte, Walter L.....	I. <i>C. F.</i> .....	Missouri
Schumann, William F.....	II. <i>C. F.</i> .....	Missouri
Schuster, J. Darwin.....	III. <i>Lw.</i> .....	Missouri
Schultz, Julius J.....	II. <i>Lw.</i> .....	Missouri
Schwaneck, John Thomas.....	I. <i>Dn.</i> .....	Missouri
Scott, Francis X.....	II. <i>Dv.</i> .....	Illinois
Scott, William J.....	III. <i>C. F.</i> .....	Missouri
Schurter, Raymond Joseph.....	II. <i>Md.</i> .....	Canada
Sciarrino, Stanley Vincent.....	III. <i>Md.</i> .....	New York
Scopilite, Joseph Aloysius.....	I. <i>Md.</i> .....	Missouri
Seals, Arthur D.....	I. <i>C. F.</i> .....	Missouri
Sebastiani, Francis L.....	I. <i>Dv.</i> .....	Italy
Secrest, Jack.....	I. <i>C. F.</i> .....	Illinois
Seitz, George M.....	I. <i>C. F.</i> .....	Missouri
Sellmeyer, Bernard Leo.....	III. <i>Ph.</i> .....	Missouri
Sellmeyer, Edwin Henry.....	II. <i>Dn.</i> .....	Missouri

Seltzer, David .....	II. <i>Lw.</i> .....	Missouri
Sewell, Walter Sylvester.....	IV. <i>Md.</i> .....	Missouri
Sexton, Daniel L.....	I. <i>Md.</i> .....	Illinois
Shannahan, Cornelius M.....	I. <i>C. F.</i> .....	Missouri
Shannon, Charles Kerchible.....	I. <i>Dn.</i> .....	Illinois
Sharkey, William Brady.....	I. <i>Md.</i> .....	Illinois
Sharon, James Philip.....	II. <i>Md.</i> .....	Iowa
Sharpe, Robert H.....	I. <i>C. F.</i> .....	Missouri
Shaw, Frank W.....	I. <i>C. F.</i> .....	Arkansas
Shea, George E.....	I. <i>S.</i> .....	Ohio
Sheets, Austin John.....	I. <i>Dn.</i> .....	Arkansas
Shekleton, Vern. N.....	I. <i>Lw.</i> .....	Iowa
Sheldon, Matthew Orbit.....	I. <i>Dn.</i> .....	Illinois
Shelland, Conrad.....	I. <i>Dn.</i> .....	Indiana
Sheridan, Edward J.....	II. <i>C. F.</i> .....	Missouri
Shortal, Mildred M.....	I. <i>C. F.</i> .....	Missouri
Showen, Frank G.....	I. <i>C. F.</i> .....	Kansas
Shucart, Robert.....	I. <i>C. F.</i> .....	Missouri
Shyne, David A.....	II. <i>Dv.</i> .....	Kansas
Siddall, Halton Parmenas.....	I. <i>Dn.</i> .....	Illinois
Siemers, Edmond A.....	IV. <i>Lw.</i> .....	Missouri
Sieving, Paul F.....	I. <i>C. F.</i> .....	Missouri
Sigg, Elmer J.....	II. <i>C. F.</i> .....	Missouri
Silverman, Rose .....	I. <i>C. F.</i> .....	Missouri
Simon, Jerome .....	IV. <i>Ar.</i> .....	Missouri
Simpson, Joseph L.....	I. <i>Lw.</i> .....	Missouri
Singer, James W.....	I. <i>C. F.</i> .....	Illinois
Singer, Joseph.....	III. <i>Lw.</i> .....	Missouri
Sipchen, George M.....	IV. <i>Dv.</i> .....	Michigan
Skarry, Arthur .....	II. <i>Lw.</i> .....	Kentucky
Skarry, Hugh M.....	III. <i>C. F.</i> .....	Missouri
Slack, A. Darington.....	I. <i>Dn.</i> .....	Missouri
Slack, Carroll Lee.....	II. <i>Dn.</i> .....	Missouri
Slais, William J.....	II. <i>C. F.</i> .....	Missouri
Slattery, Cyril John.....	I. <i>Md.</i> .....	Missouri
Slowey, James Francis.....	II. <i>Md.</i> .....	Ohio
Smalley, Thornton.....	II. <i>C. F.</i> .....	Missouri
Smith, Aloysius M.....	II. <i>S.</i> .....	New York
Smith, Carl Clifford.....	IV. <i>Md.</i> .....	Missouri
Smith, Charles T.....	II. <i>C. F.</i> .....	Iowa
Smith, George Louis.....	II. <i>P. M.</i> .....	Louisiana
Smith, Henry M.....	III. <i>P. M.</i> .....	Missouri

Smith, Howard B.....	I. <i>Lw.</i> .....	Missouri
Smith, James Gerard.....	III. <i>Ph.</i> .....	Iowa
Smith, John Carroll.....	II. <i>Dn.</i> .....	Kansas
Smith, John Russell.....	III. <i>Md.</i> .....	Illinois
Smith, J. Sheppard.....	Sp. <i>Ar.</i> .....	Missouri
Smith, Paul H.....	I. <i>C. F.</i> .....	Missouri
Smith, Robert Paul.....	II. <i>Dn.</i> .....	Missouri
Smith, Thomas J.....	I. <i>C. F.</i> .....	Missouri
Smith, Thurber Montgomery.....	III. <i>S.</i> .....	Illinois
Smothers, Edgar Raymond.....	III. <i>Ph.</i> .....	Illinois
Snider, John W.....	III. <i>C. F.</i> .....	Missouri
Snider, William T.....	I. <i>C. F.</i> .....	Missouri
Snopek, Leonard Louis.....	IV. <i>Dn.</i> .....	Iowa
Snyders, Leo H.....	I. <i>C. F.</i> .....	Illinois
Sobelman, Augusta.....	I. <i>C. F.</i> .....	Missouri
Sodemann, Corwin J.....	I. <i>C. F.</i> .....	Missouri
Solliday, Monroe F.....	II. <i>P. M.</i> .....	Illinois
Sommerhauser, Charles Michael.....	IV. <i>Dn.</i> .....	Kansas
Sours, Alphonse A.....	II. <i>Lw.</i> .....	Missouri
Sparks, Arthur L.....	I. <i>C. F.</i> .....	Georgia
Speidel, Roy Edward.....	II. <i>Md.</i> .....	Missouri
Spies, Charles J.....	III. <i>Lw.</i> .....	Kansas
Sprenger, Joseph William.....	IV. <i>Dn.</i> .....	Kansas
Springer, William C.....	II. <i>C. F.</i> .....	Missouri
Stadler, Erman.....	IV. <i>Md.</i> .....	Missouri
Stahlschmidt, C. M.....	III. <i>C. F.</i> .....	Missouri
Stamm, Vineil R.....	I. <i>Lw.</i> .....	Missouri
Stangler, Albert J.....	IV. <i>Lw.</i> .....	Missouri
Stapleton, Frank H.....	I. <i>C. F.</i> .....	Missouri
Stearns, George W.....	I. <i>C. F.</i> .....	Iowa
Stecker, George.....	III. <i>Md.</i> .....	New Mexico
Steele, John M.....	I. <i>C. F.</i> .....	Missouri
Steele, Ralph K.....	III. <i>C. F.</i> .....	Missouri
Steele, Richard M.....	I. <i>Ar.</i> .....	Missouri
Steiner, Celestine John.....	III. <i>S.</i> .....	Michigan
Steinrauf, Harry I.....	III. <i>C. F.</i> .....	Missouri
Stephens, Graydon L.....	I. <i>C. F.</i> .....	Missouri
Stephens, Thomas F.....	II. <i>Lw.</i> .....	Missouri
Sterner, Joseph S.....	I. <i>C. F.</i> .....	Missouri
Stevenson, Arthur Lang.....	I. <i>Dn.</i> .....	Missouri
Steyer, Clement Edward.....	I. <i>Md.</i> .....	Ohio
Stier, J. Elizabeth.....	I. <i>C. F.</i> .....	Missouri
St. John, Dewey.....	I. <i>Lw.</i> .....	Missouri

Stone, August Frank.....	III. <i>Lw.</i> .....	Missouri
Stone, Harry .....	III. <i>Lw.</i> .....	Missouri
Strautmann, Henry B.....	I. <i>C. F.</i> .....	Missouri
Stroer, Joseph H.....	III. <i>C. F.</i> .....	Missouri
Strub, Henry Francis.....	II. <i>P. M.</i> .....	Missouri
Stuber, Joseph Theodore.....	II. <i>P. M.</i> .....	Ohio
Stuckey, Howard Davis.....	III. <i>Md.</i> .....	Iowa
Stueber, Anthony S.....	I. <i>C. F.</i> .....	Missouri
Stuever, Charles Henry.....	I. <i>Dn.</i> .....	Missouri
Stuhlmüller, Clifford .....	III. <i>Md.</i> .....	Ohio
Stuppy, Meinard A.....	II. <i>C. F.</i> .....	Missouri
Sugrue, John Dewey.....	I. <i>Md.</i> .....	Ohio
Sullivan, Charles P.....	IV. <i>Dv.</i> .....	Illinois
Sullivan, Bernard J.....	II. <i>Dv.</i> .....	Colorado
Sullivan, D. Leo.....	II. <i>S.</i> .....	Michigan
Sullivan, Edward Francis.....	I. <i>Md.</i> .....	Iowa
Sullivan, Francis J.....	I. <i>Lw.</i> .....	Missouri
Sullivan, Helen R.....	I. <i>C. F.</i> .....	Illinois
Sullivan, James J.....	I. <i>C. F.</i> .....	Missouri
Sullivan, James McKeough.....	II. <i>Md.</i> .....	California
Sullivan, John B.....	III. <i>Lw.</i> .....	Missouri
Sullivan, Margaret .....	I. <i>C. F.</i> .....	Illinois
Sullivan, Paul David.....	III. <i>Ph.</i> .....	Illinois
Sullivan, Paul V.....	II. <i>C. F.</i> .....	Missouri
Sullivan, William J.....	II. <i>Ar.</i> .....	Missouri
Sum, Othmar John.....	IV. <i>Md.</i> .....	Indiana
Sunkel, Frederick V.....	II. <i>C. F.</i> .....	Missouri
Supan, Peter C.....	II. <i>Md.</i> .....	Illinois
Sutcliffe, George Cecil.....	III. <i>Dn.</i> .....	Missouri
Svendsen, Alfred .....	II. <i>C. F.</i> .....	Iowa
Swann, Raymond L.....	I. <i>Lw.</i> .....	Illinois
Swanston, John Edw.....	I. <i>Lw.</i> .....	Missouri
Swanston, Joseph Aloysius .....	II. <i>Dn.</i> .....	Missouri
Swanston, William F.....	II. <i>Lw.</i> .....	Missouri
Tanner, Bruce C.....	III. <i>Lw.</i> .....	Missouri
Tate, Anderson Bird.....	II. <i>Dn.</i> .....	Illinois
Taylor, Thos. R.....	IV. <i>Lw.</i> .....	Missouri
Tennenbaum, Erwin I.....	II. <i>Lw.</i> .....	Missouri
Tenney, Russell Wood.....	II. <i>P. M.</i> .....	Missouri
Teply, Joseph M.....	II. <i>S.</i> .....	Illinois
Tessler, Maurice Harry.....	I. <i>Dn.</i> .....	Missouri
Thacher, Arthur W.....	III. <i>Lw.</i> .....	Missouri



Thiele, Otto Toni.....	I. <i>Dn.</i> .....	Missouri
Thieme, Harry L.....	I. <i>Md.</i> .....	Missouri
Thomas, Benjamin E.....	I. <i>Lw.</i> .....	Missouri
Thomas, John .....	I. <i>Ar.</i> .....	Oklahoma
Thomasson, Frank Gale.....	I. <i>Dn.</i> .....	Missouri
Thompson, George Elright.....	IV. <i>Md.</i> .....	Kansas
Thorning, Joseph Francis.....	II. <i>Ph.</i> .....	Wisconsin
Thornton, F. Hamilton.....	III. <i>Ar.</i> .....	Missouri
Thornton, Francis Xavier.....	I. <i>Dn.</i> .....	Missouri
Tighe, Eugene G.....	III. <i>Lw.</i> .....	Missouri
Timlin, John F.....	II. <i>C. F.</i> .....	Missouri
Tincher, Joseph Cortes.....	I. <i>P. M.</i> .....	Missouri
Tirre, Walter.....	I. <i>C. F.</i> .....	Illinois
Todt, Casper J.....	II. <i>C. F.</i> .....	Missouri
Todt, Peter .....	I. <i>C. F.</i> .....	Missouri
Toenjes, Henry W.....	I. <i>C. F.</i> .....	Missouri
Toney, William J.....	I. <i>C. F.</i> .....	Missouri
Toomey, William J.....	II. <i>S.</i> .....	Ohio
Torre, Aloysius M.....	II. <i>Dv.</i> .....	Italy
Torrey, George F.....	II. <i>Lw.</i> .....	Missouri
Towles, Harbard Marvin.....	III. <i>Dn.</i> .....	Missouri
Townsend, Charles E.....	III. <i>C. F.</i> .....	Missouri
Tracy, Eugene D.....	III. <i>C. F.</i> .....	Missouri
Tracy, Frank Justin.....	II. <i>Dn.</i> .....	Missouri
Tracy, George B.....	I. <i>Lw.</i> .....	Missouri
Tracy, Helen C.....	III. <i>C. F.</i> .....	Missouri
Tracy, William J.....	I. <i>Dv.</i> .....	Missouri
Trame, Elmer Joseph.....	III. <i>S.</i> .....	Kentucky
Trappe, Clarence O.....	I. <i>C. F.</i> .....	Missouri
Travis, John M.....	II. <i>C. F.</i> .....	Missouri
Traylor, William .....	I. <i>Ar.</i> .....	Oklahoma
Tremaine, Ernest Elwood.....	IV. <i>Md.</i> .....	Missouri
Troy, Joseph A.....	III. <i>Lw.</i> .....	Illinois
Truebe, William.....	III. <i>C. F.</i> .....	Missouri
Tucker, George W.....	III. <i>Lw.</i> .....	Missouri
Tucker, Joseph A.....	IV. <i>Lw.</i> .....	Missouri
Unferfate, John Howard.....	III. <i>Ph.</i> .....	New York
Upshaw, Ira Warren, Jr.....	II. <i>Dn.</i> .....	Missouri
Upshaw, Paul Ozro.....	I. <i>Md.</i> .....	Missouri
Upton, Theodore E.....	I. <i>C. F.</i> .....	Iowa
Usher, John P.....	III. <i>C. F.</i> .....	Missouri
Uthe, Oliver C.....	II. <i>C. F.</i> .....	Missouri
Uthe, Walter E.....	II. <i>C. F.</i> .....	Missouri

Vahlkamp, Alfred.....	II. C. F.....	Missouri
Valladares, Antonio.....	II. Lw.....	Guatemala
Van der Gracht, Arthur.....	I. Ar.....	Missouri
Vanderlippe, Paul F.....	I. C. F.....	Missouri
Van Fossan, Loy Harold.....	IV. Dn.....	Illinois
Van Vranken, Ed.....	II. Dn.....	Illinois
Vaughan, Bernard J.....	I. S.....	Kentucky
Vaught, Glenn.....	II. C. F.....	Missouri
Vernon, Florence E.....	I. C. F.....	Illinois
Verschuur, Emile.....	I. C. F.....	Arkansas
Vien, H. Grady.....	III. Lw.....	Illinois
Vogel, Erdman Gustave.....	II. Dn.....	Illinois
Volkerding, Walter J.....	I. C. F.....	Missouri
Vollmeyer, Leo J.....	II. Dv.....	Ohio
Vonachen, Harold Albert.....	II. Md.....	Missouri
Wachowiak, Marion.....	III. Md.....	Missouri
Waddock, Joseph P.....	II. Lw.....	Missouri
Wagner, Austin L.....	II. Dv.....	Alabama
Wahl, Charles J.....	II. C. F.....	Missouri
Wahl, George B.....	II. S.....	Missouri
Walker, Ernest Eugene.....	III. Lw.....	Missouri
Walker, George B.....	II. Lw.....	Missouri
Walker, Glen L.....	II. P. M.....	Illinois
Walker, Herbert C.....	II. S.....	Minnesota
Wallace, Robert Stephen.....	II. P. M.....	Illinois
Walsh, Gerald.....	III. Ph.....	Wisconsin
Walsh, James F.....	IV. Dv.....	Wisconsin
Walsh, John F.....	II. Dv.....	Illinois
Walsh, John M.....	I. Lw.....	Missouri
Walsh, Joseph M.....	I. Lw.....	Missouri
Walsh, Kevin A.....	I. Ar.....	Oklahoma
Walsh, Robert A.....	II. C. F.....	Missouri
Walsh, Walter T.....	II. C. F.....	Missouri
Walsh, William J.....	II. C. F.....	Missouri
Walter, Francis Edgar.....	III. S.....	Ohio
Walter, Otto Aaron.....	I. Dn.....	Missouri
Walton, John W.....	I. C. F.....	Kansas
Wang, Kwong Yu.....	II. Md.....	China
Ward, Vincent Joseph.....	II. Ph.....	Wisconsin
Warner, Robert Gail.....	I. Md.....	Illinois
Warth, George Louis.....	IV. S.....	Ohio
Wasem, Christopher A.....	I. C. F.....	Missouri
Wasinger, Joseph.....	III. Dn.....	Kansas

Watson, Felthan H.	I. <i>Lw.</i>	Missouri
Weaver, James M.	II. <i>C. F.</i>	Kansas
Weber, John F.	I. <i>Ar.</i>	Missouri
Weber, Joseph G.	II. <i>C. F.</i>	Missouri
Weber, Karl	II. <i>Dn.</i>	Ohio
Weber, Theodore J.	I. <i>Ar.</i>	Missouri
Webb, Lewis Monson	I. <i>Md.</i>	Illinois
Webb, Marion A.	I. <i>Md.</i>	Illinois
Webb, Paul Benedict	IV. <i>Md.</i>	Ohio
Weber, Sol	II. <i>Md.</i>	Missouri
Weber, William E.	I. <i>C. F.</i>	Missouri
Wechsler, Edwin C.	III. <i>C. F.</i>	Missouri
Wedel, Carl John	IV. <i>Dn.</i>	Illinois
Weeke, Paul E.	I. <i>C. F.</i>	Missouri
Weger, Carl C.	IV. <i>Md.</i>	Illinois
Weidinger, John Anthony	III. <i>S.</i>	Missouri
Weiler, Joseph	II. <i>C. F.</i>	Illinois
Weimer, Edward R.	I. <i>Lw.</i>	Missouri
Weindel, Clarence A.	III. <i>Lw.</i>	Missouri
Weinsberg, William Charles	II. <i>Md.</i>	Missouri
Weis, Matthew William	I. <i>Md.</i>	Minnesota
Weismantel, Hugo L.	III. <i>Lw.</i>	Missouri
Weisner, Joseph F.	I. <i>Lw.</i>	Kansas
Weiss, Archa W.	II. <i>Lw.</i>	Missouri
Weisz, Bertha	I. <i>C. F.</i>	Missouri
Weitzman, Louis G.	II. <i>Dv.</i>	New York
Welfle, Richard A.	I. <i>S.</i>	Ohio
Wellmuth, John James	III. <i>S.</i>	Illinois
Welsh, Joseph P.	I. <i>C. F.</i>	Missouri
Weltmer, Silas Woodson	IV. <i>Md.</i>	Missouri
Wenger, Eugene F.	II. <i>C. F.</i>	Missouri
Wenneker, Maurice	IV. <i>Lw.</i>	Missouri
Werner, George J.	I. <i>C. F.</i>	Illinois
Werner, Robert E.	I. <i>C. F.</i>	Missouri
Wesby, Frederick Archibald, Jr.	I. <i>Dn.</i>	British Honduras
Wesley, Frank A.	II. <i>C. F.</i>	Missouri
Westfall, Albert Perry	I. <i>Dn.</i>	Missouri
Westfall, Paul M.	I. <i>Dn.</i>	Missouri
Westlake, Richard E.	II. <i>Dn.</i>	Missouri
Weston, Claude La Verne	IV. <i>Md.</i>	Indiana
Whealon, Joseph P.	I. <i>Lw.</i>	Illinois
Wheeler, Bryan	I. <i>C. F.</i>	Nebraska
Wheeler, Louis A.	I. <i>Dv.</i>	Maryland

White, Alvin A.....	I. C. F.....	Kansas
White, Orville Oscar.....	IV. Md.....	Illinois
White, Victor V.....	IV. Dv.....	California
Whitehill, William H.....	I. C. F.....	Missouri
Whitford, Clarence Francis.....	III. S.....	Colorado
Whitley, Earle C.....	I. C. F.....	Missouri
Wibbenmeyer, Theodore A.....	II. C. F.....	Missouri
Wideman, Charles J.....	II. S.....	Ohio
Widger, Floyd Elam.....	II. Dn.....	Illinois
Wiegel, Ralph E.....	III. C. F.....	Missouri
Wigge, Theodore H.....	III. C. F.....	Missouri
Wilcox, Claude Vernon.....	IV. Md.....	Illinois
Wild, Aloysius Arthur.....	I. P. M.....	Missouri
Wilhelmj, Charles M.....	III. Md.....	Missouri
Wilhelmj, Howard Stephen.....	I. Lw.....	Missouri
Williams, Ellison.....	I. Lw.....	Missouri
Williams, George Cornelius.....	III. Dn.....	Missouri
Willmering, Henry.....	I. Dv.....	Missouri
Wills, Charles Jerauld.....	II. Dn.....	Illinois
Wilson, Dean A.....	I. Dn.....	Missouri
Wilson, Fred K.....	I. Md.....	Missouri
Wilson, George E.....	I. C. F.....	Missouri
Wilson, Horace Bertram.....	II. Md.....	California
Wilson, Kenneth Milton.....	IV. Dn.....	Illinois
Wilson, Malcolm Royalty.....	I. Dn.....	Missouri
Wilson, Paul Shoemaker.....	I. Dn.....	Illinois
Wilson, Ralph V.....	III. Lw.....	Missouri
Wilson, Thomas Edward.....	II. Dn.....	Missouri
Wilwerding, Aloysius J.....	IV. S.....	Iowa
Winner, Albert A.....	III. C. F.....	Missouri
Winter, Philip A.....	I. C. F.....	Missouri
Wischmeier, Edwin P.....	III. Lw.....	Missouri
Wolf, Julia B.....	III. C. F.....	Missouri
Wolfe, Harlowe Odgen.....	II. Dn.....	Iowa
Wolff, Charles.....	I. Md.....	Missouri
Wolff, Samuel.....	I. Md.....	Missouri
Woodman, Arnold James.....	I. Dn.....	Missouri
Woodman, Glen Fuller.....	I. Dn.....	Missouri
Woods, Joseph T.....	I. Lw.....	Louisiana
Woodward, Robert Yeager.....	I. Lw.....	Missouri
Woolsey, Thomas G.....	IV. Lw.....	Missouri
Worachek, Minerva.....	II. C. F.....	Missouri
Wuellner, Bernard J.....	I. S.....	Ohio



Wulf, Harry J.....	II. C. F.....	Missouri
Wyss, Emert L.....	V. Lw.....	Missouri
Yealy, Francis J.....	I. Dv.....	Missouri
Young, Lyle Gordon.....	II. P. M.....	Illinois
Younger, John Baker.....	II. P. M.....	Louisiana
Zacharias, Leonard L.....	II. C. F.....	Missouri
Zachman, Carl E.....	II. Ph.....	Minnesota
Zahner, Leslie John.....	I. Dn.....	Missouri
Zeiler, Mark W.....	I. Lw.....	Missouri
Zepp, Philip H.....	II. Lw.....	Missouri
Zesch, Cornelia.....	II. C. F.....	Missouri
Ziegelmeyer, Edmund Henry.....	III. S.....	Missouri
Ziegelmeyer, John Simon.....	III. Md.....	Missouri
Zill, John .....	I. C. F.....	Missouri
Zimmerman, Joseph A.....	II. Dv.....	Iowa
Zittel, Charles Edwin.....	I. Md.....	Michigan
Zoulek, Joseph L.....	III. Dn.....	Ohio
Zozaya, Jose .....	II. Md.....	Missouri
Zuercher, Albert Clement.....	II. Ph.....	Wisconsin
Zurlinden, Edgar J.....	IV. Dv.....	Ohio

## Degrees Conferred

June 7th, 1920

The Honorary Degree of Doctor of Laws is conferred on  
Elias Potter Lyon, A. B., Ph. D., M. D.

The Degree of Doctor of Philosophy

March 1, 1920

REV. JOHN P. McNICHOLS, S. J. A. B. 1897, A. M., 1898  
General Subject: Philology. Particular Subject: English  
Philology. Dissertation: The Pedagogical Aspects  
of Sentence Structure.

The Degree of Master of Arts.

February 2, 1920

Sister Mary Louise Wise, A. B. .... Missouri

March 1, 1920

James M. Cowan, A. B. .... Canada

April 1, 1920

Joachim M. Añon, A. B. .... Spain

July 15, 1920

John M. Golden, A. B. .... Colorado

June 7, 1920.

Elmer Alfred Barton, A. B. .... Michigan

Raymond Francis Bellock, A. B. .... Illinois

John Philip Bergman, A. B. .... Illinois

Timothy Lincoln Bouscaren, A. B.,

LL. B. .... Ohio

Januarius Paschal Casolaro, A. B. .... Italy

Henry Benedict Crimmins, A. B. .... Iowa

Leo Lawrence Cusack, A. B. .... Iowa

Theodore Vincent Glowinski, A. B. .... Illinois

Raphael Noteware Hamilton, A. B.....	Nebraska
William Frederick Houser, A. B.....	Illinois
Francis Anthony Kaczmarek, A. B.....	Wisconsin
Francis Patrick Keenoy, A. B.....	Missouri
George Edward Kiley, A. B.....	Illinois
William Hugh McCabe, A. B.....	Iowa
George Edward McGalloway, A. B.....	Wisconsin
John Aloysius Noonan, A. B.....	Ireland
Eugene Joseph O'Connor, A. B.....	Georgia
Theodore Francis Peitz, A. B.....	Missouri
Lawrence Michael Perk, A. B.....	Missouri
Wilfred Steven Robb, A. B.....	Ohio
Alexius M. Schwitalla, A. B.....	Missouri
Victor Cyril Stechschulte, A. B., M. S....	Ohio
Aloysius M. Torre, A. B.....	Italy
Bernard Charles Zimmerman, A. B., B. S. ....	Iowa

### The Degree of Bachelor of Arts

February 2, 1920

Mother M. Gertrude Caraher.....	Missouri
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June 7, 1920.

Louis Aloysius Bloomer.....	Wisconsin
Augustine Alexander Bork.....	Ohio
William Sporing Bowdern.....	Missouri
Hartford Frederick Brucker.....	Ohio
Chester Aloysius Burns.....	Ohio
James Francis Butler.....	Indiana
Murray R. Cantwell.....	Missouri
Edward Francis Carrigan.....	Michigan
Paul Loyola Carroll.....	Missouri
Daniel Hugh Conway.....	Colorado
Charles Thomas Corcoran.....	Wisconsin
John Joseph Cordes, Ph. B.....	Iowa
Francis Marion DeHaye.....	Illinois
Bernard J. Dierker, M. D.....	Iowa

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Aloysius James Diersen.....	Ohio
Cyril Patrick Donohue.....	Wisconsin
Norman Joseph Dreyfus.....	Missouri
Thomas Donohoe Ewing.....	Ohio
William Aloysius Finnegan.....	Illinois
Louis William Forrey.....	Iowa
Leon Aloysius Foster.....	Illinois
Julian Alexander Garrity.....	Ohio
Joseph Adolph Gschwend.....	Illinois
William E. Haren.....	Missouri
Claude H. Heithaus.....	Missouri
Joseph William Jacobi.....	Indiana
John Mark Jacoby, B. S.....	Ohio
Francis Joseph Jaglowicz.....	Canada
Edward Mortimer Kelly.....	Wisconsin
Alver H. Kerper.....	Iowa
Francis Joseph Macke.....	Ohio
Florence Jerome Mahoney.....	Colorado
Paul Cornelius Mellen.....	Indiana
John Joseph McNerny.....	Missouri
Joseph Peter Melchiors.....	Wisconsin
Eugene Philip Mullaney.....	Wisconsin
William John Murphy.....	Ohio
Henry Aloysius Norton.....	Ohio
Joseph Adolph Renshaw.....	Spain
William Dominic Ryan.....	Colorado
O'Neill Ryan, Jr. ....	Missouri
Edwin C. Sanders.....	Missouri
Bernard Leo Sellmeyer, M. D.....	Missouri
James Gerard Smith.....	Iowa
Edgar Raymond Smothers.....	Illinois
Paul David Sullivan.....	Illinois
Joseph Francis Thorning.....	Wisconsin
Thomas J. Tobin, Jr.....	Missouri
John Howard Unferfate.....	Ohio
Gerald Patrick Walsh.....	Wisconsin



### The Degree of Master of Science

February 2, 1920

Joseph H. Foulquier, A. B.....France  
Victor C. Stechschulte, A. B.....Ohio

June 7, 1920.

George J. Shiple, A. B.....Ohio

### The Degree of Bachelor of Science

February 2, 1920

Sister Mary Eustachia Elder.....Missouri

June 7, 1920.

Frank N. Bay.....Iowa  
Frederic W. Bofenkamp.....Minnesota  
Ralph E. Cheney.....Kansas  
Francis E. Cullen.....Iowa  
Forrest S. Etter.....Missouri  
Frank L. Feierabend.....Missouri  
George J. Fuchs.....Missouri  
Walter A. German.....Kansas  
Benj. G. Gossow.....Missouri  
Paul P. Halleck.....Missouri  
Laurence E. Henrich.....South Dakota  
Arthur E. Kramer.....Illinois  
Leo L. Mayer.....Missouri  
Charles N. Ploussard.....Illinois  
John H. Ryan.....Missouri  
William H. Walters.....Illinois  
John S. Ziegelmeyer.....Missouri

February 2, 1921

Stanley Proctor Howard.....Missouri

### The Degree of Bachelor of Commercial Science.

June 7, 1920.

Robert N. Arthur.....St. Louis, Mo.  
Bertha M. Bruening, LL. B.....St. Louis, Mo.

William C. Essman.....	Cleveland, Ohio
Joseph D. Halloran.....	St. Louis, Mo.
Carl W. Luyties.....	St. Louis, Mo.
Charles H. Murdoch, LL. B.....	St. Louis, Mo.
John C. Naylor, A. B.....	St. Louis, Mo.
Helen A. Rabitt.....	St. Louis, Mo.
Eugene J. Walter.....	Alton, Ill.
Joseph J. Welsch.....	St. Louis, Mo.

### A General Certificate.

June 7, 1920.

Clarence J. Fecht.....	St. Louis, Mo.
Alphonse A. Hillner.....	St. Louis, Mo.
Gus V. Keller.....	St. Louis, Mo.
Thomas B. Koeneke.....	St. Louis, Mo.
James J. Sheridan.....	St. Louis, Mo.
Richard J. Ulrich.....	St. Louis, Mo.
Angela F. Van Iseghem.....	St. Louis, Mo.

### The Degree of Doctor of Dental Surgery.

February 2, 1920

Lemuel James Cook.....	Patton, Mo.
Minot George Eggeman.....	St. Louis, Mo.
George Albert Krebs.....	St. Louis, Mo.

June 7, 1920.

Masac Kashiwagi.....	Shizuoka-ken, Japan
Hubert Nathan Magee.....	Bloomfield, Mo.
Paul Francis O'Brien.....	Kimmswick, Mo.
Watal Tohyama.....	Miyasuki-ken, Japan
August Frederick Walz.....	St. Louis, Mo.

### The Degree of Master of Laws.

June 7, 1920.

Philip S. Androve, LL. B.....	St. Louis, Mo.
Albert John Applebaum, LL. B.....	St. Louis, Mo.

Earnest E. Baker, LL. B.....	Hoquiam, Wash.
Fred Harris Blades, LL. B.....	St. Louis, Mo.
Walter Wood Davis, LL. B.....	St. Louis, Mo.
Murtha J. Hackett, LL. B.....	St. Louis, Mo.
Alfred Frederick Kammann, LL. B.....	St. Louis, Mo.
William Young Key, LL. B.....	St. Louis, Mo.
Taylor William Strubinger, LL. B.....	Pittsfield, Ill.
Philip Alphonse Sullivan, LL. B.....	St. Louis, Mo.
R. Emmett Taylor, A. M., LL. B.....	St. Louis, Mo.
Edward Wendall Tobin, LL. B.....	St. Louis, Mo.

### The Degree of Bachelor of Laws.

June 7, 1920.

Charles Clafflin Allen, Jr.....	St. Louis, Mo.
Charles Pierre Armbuster.....	St. Louis, Mo.
Steward Daniel Flanagan.....	St. Louis, Mo.
George E. Gantner.....	Boonville, Mo.
Julius Habenicht.....	St. Louis, Mo.
J. Lawrence Hartwig.....	St. Louis, Mo.
James Edward Higgins.....	Gillespie, Ill.
Rudolph William Hoogstraet.....	St. Louis, Mo.
Michael Joseph Kiely.....	St. Louis, Mo.
George E. Knierim.....	St. Louis, Mo.
Albert F. Kretschmer, Jr.....	Shrewsbury, Mo.
Joseph Clemens Kretschmer.....	Shrewsbury, Mo.
Joseph A. McCarthy.....	St. Louis, Mo.
Henry J. McMahon.....	Spencer, Iowa
Thomas Oliver McNearney.....	Florissant, Mo.
Clarence Maguire.....	St. Louis, Mo.
Nathaniel Moll.....	St. Louis, Mo.
Russell W. Murphy.....	St. Louis, Mo.
Joseph Renard.....	St. Louis, Mo.
Thomas Albert Reynolds.....	Hull, Ill.
Douglas C. Sachse.....	St. Louis, Mo.
Edwin Alfred Salomo.....	St. Louis, Mo.

William Walter Schneider.....	St. Louis, Mo.
Proka N. Stankovich.....	St. Louis, Mo.
Emert Leo Wyss.....	Alton, Ill.

### The Degree of Doctor of Medicine.

February 2, 1920

Robert Parkhurst Bergwall, B. S.....	Hartland, Wisc.
Paul Hammond Bernstorff.....	St. Louis, Mo.
Stephen Vincent Cotter, A. B.....	Buffalo, N. Y.
John Eugene Dailey.....	Terre Haute, Ind.
George John Epp.....	St. Louis, Mo.
Frank Roman Finnigan, B. S.....	Beloit, Kan.
Aloys Mahowald.....	Eden Valley, Minn.
Henry Rosenfeld.....	St. Louis, Mo.
John Edward Welsh.....	Dahinda, Ill.
Homer Franklin White.....	St. Louis, Mo.

June 7, 1920.

Oscar Vivian Batson, A. M.....	St. Louis, Mo.
David Ritchey Braden, A. B.....	Amsterdam, Mo.
John George Beadle Brass, B. S.....	Saltburn, England
Francis Joseph Bries, B. S.....	Turkey River, Ia.
Leslie Denis Cassidy, A. B.....	Macon, Ga.
Philip Francis Donohue, B. S.....	St. Paul, Minn.
Bernard John Dreiling.....	Victoria, Kans.
Joseph Anthony Ebel.....	St. Louis, Mo.
Jule Theodore Elz.....	St. Louis, Mo.
Forrest Stayton Etter, B. S.....	Eldon, Mo.
George Hobert Ewell.....	Carrollton, Mo.
Armin Fischer, B. S.....	St. Louis, Mo.
Adolph Richard Fredrickson, B. S.....	Edinburg, N. Dak.
Christopher C. Gaard, B. S.....	Ruthven, Ia.
William Joseph Gallagher.....	Cleveland, Ohio
Ernest F. Giannotti, B. S.....	Helper, Utah
Arthur Clark Goff.....	St. Louis, Mo.



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Leon Campbell Haile, B. S.....	Farmington, Mo.
Paul Parker Halleck, B. S.....	St. Louis, Mo.
Sebastian James Harbrecht, A. M.....	Detroit, Mich.
Henry Anthony Hassett.....	Pittsfield, Ill.
William Conrad Henske.....	St. Louis, Mo.
Ewald Emil Hermann.....	Highland, Ill.
Roy Randolph Jeffries, B. S.....	Hopkinton, Iowa
Alver Hubert Kerper, A. B.....	St. Louis, Mo.
Frederick Kwai Lam, B. S.....	Honolulu, Hawaii
John D. Lawson.....	Woodland, Cal.
John Newton McGrath.....	Brookfield, Mo.
Donald David Martin, B. S.....	Seward, Ill.
Frederic George Maurer.....	Lima, Ohio
Willis Arthur Monaghan, A. B.....	St. Louis, Mo.
Merton Carl Moss.....	St. Louis, Mo.
Frank Edward Murphy, B. S.....	Hollister, Cal.
Francis Joseph O'Donnell, B. S.....	Grand Rapids, Mich.
John Rudolph O'Neill.....	Santa Cruz, Cal.
Francis Berchmans Quinn, B. S.....	Santa Barbara, Cal.
Louis Sidney Roberts.....	Waverly, Ky.
John Frederick Rutledge.....	Festus, Mo.
Eusebio Buhayen Salud.....	Rosario, Cavite, P. I.
Oscar Joseph Schmitt, B. S.....	Chicago, Ill.
Eduard Olin Schreiner.....	St. Louis, Mo.
George Ralph Seward.....	Mason City, Ill.
Elmer Edwin Sexton.....	Carlinville, Ill.
Edwin Faville Sievers, B. S.....	St. Louis, Mo.
Vernon Bunn Stanford.....	Clay City, Ill.
Guss Byron Steward, A. B.....	Bolivar, Mo.
Joseph Daniel Stoelzle.....	Murphysboro, Ill.
Paul Francis Titterington, A. B.....	St. Louis, Mo.
Edward Bernard Vogel, B. S.....	Sandusky, Ohio
William Huey Walters, B. S.....	Omaha, Ill.
Orley Morton Waters.....	East St. Louis, Ill.
Louis F. X. Wilhelm, A. B.....	St. Louis, Mo.

## General Statement

### History

The foundation of St. Louis University dates back to 1818, three years before Missouri became a State of the Union.

On November 16th, 1818, Right Rev. Louis William DuBourg, Bishop of Louisiana, with residence in St. Louis, opened St. Louis Academy in a stone building on the northwest corner of Third and Market streets. It was under the control of Rev. Francois Niel and other secular priests attached to St. Louis Cathedral. The Academy expanded into St. Louis College in 1820, and a brick building, two stories high, was erected for the accommodation of the students on Walnut street, between Second and Third streets.

Although the college was successful and the mother of many students eminent in after life, yet the secular clergy found it difficult to attend to their professorial work in St. Louis College, owing to their numerous ecclesiastical duties.

In consequence, Bishop DuBourg had intended to hand the institution over to the Jesuits a few years after its foundation, for he realized that its existence would be precarious without some such guarantee for supplying a corps of trained professors. He had, therefore, made application to the Provincial of the Jesuits of Maryland, but his request could not be granted, as the establishment of the Society of Jesus at Georgetown and elsewhere in the Eastern States fully occupied all the members at that time. The disappointment, however, was to be only temporary.

Early in 1823, Bishop DuBourg visited Washington to consult with James Monroe, President of the United States, and John C. Calhoun, the Secretary of War, on the Indian affairs of his diocese. Secretary Calhoun suggested that he invite the

Maryland Jesuits to give him their assistance in his difficult pioneer work. DuBourg, thereupon, again entered into negotiations with the Provincial of Maryland, offering to make over to the Society of Jesus his Cathedral property in St. Louis, which comprised church and college, as well as a farm near Florissant, Mo., for an Indian Seminary, if the Jesuits would establish themselves in his diocese. The Provincial accepted that part of the proposition which referred to the Indian Seminary, but stated that priests could not then be spared for the St. Louis project.

Thus, finally in June, 1823, the Jesuits from Whitemarsh, Maryland, took up their abode at Florissant, where they opened a seminary for the instruction of the Indians. It was not until a somewhat later date that they yielded to Bishop DuBourg's urgent solicitations to take over St. Louis College.

The last session of the college under its old management was that of 1826-27. As the Jesuits desired to have a boarding school as well as a day school, it was decided to erect a new college structure at Washington avenue and Ninth street, then outside the limits of St. Louis, on property donated by the Bishop. During the interval of building, the Jesuits accommodated St. Louis pupils at Florissant late in the session of 1827-28, where also the entire session of 1828-29 was passed. Thence they were transferred to the new building in St. Louis, where classes began on November 2, 1829.

It is noteworthy that it was a Jesuit, James Marquette, S. J., who, in 1673, first viewed the site of our future city, and when Pierre Laclede founded St. Louis in 1764, it was another Jesuit, Sebastian Meurin, S. J., who first ministered to the spiritual wants of the colonists, who were all Catholics.

In its new location St. Louis College flourished, and in 1832 received its charter as a University by act of the Missouri Legislature. The president at once set about the preparatory steps for organizing the post-graduate faculties. In 1834 the Divinity Faculty was established, but in 1860 the theological students were transferred to the Jesuit college at Boston, Mass.

In 1836 the Faculty of Medicine was constituted, and when for some reason it became inoperative in 1840, a new faculty was organized in 1842. The medical school was eminently successful until 1855, when, owing to the Know-Nothing movement, its separation from the University was deemed advisable. A Law Faculty was organized in 1842 and continued sessions until 1847.

Owing to the encroachments of the business districts, the University site became unsuited to educational purposes, and in 1888 the institution was transferred to a new and more favorable situation in the western part of the city. The undergraduate department was opened on Grand avenue in 1888; the School of Philosophy and Science, Lindell Boulevard, in 1889; the School of Divinity on West Pine Boulevard in 1899.

In May, 1901, two of the best medical schools of the State, the Marion-Sims Medical College and the Beaumont Hospital Medical College, were consolidated for the purpose of strengthening the advantages which they offered. This consolidated Marion-Sims-Beaumont College of Medicine was acquired by the St. Louis University in May, 1903, as a component part of the institution.

A School of Dentistry was added in 1908 by the affiliation of the St. Louis Dental College with the University.

In the autumn of the same year the Faculty of Law was restored, and a School of Advanced Science was also inaugurated.

The School of Commerce and Finance was organized October 3, 1910.

St. Louis University is the oldest university in the Louisiana Purchase Territory and probably the oldest west of the Mississippi River.





# School of Medicine

## School of Medicine

### Officers

REV. WILLIAM F. ROBISON, S. J., Ph.D.,  
President of the University.

HANAU W. LOEB, A. M., M. D.,  
Dean.

CHARLES H. CLOUD, S. J., A. M.,  
Regent.

DON R. JOSEPH, M. S., M. D.,  
Vice-Dean.

DANIEL M. SCHOEMAKER, B. S., M. D.,  
Secretary of the Administrative Board.

CARROLL SMITH, A.B., M. D.,  
Secretary of the Faculty.

## Introductory Statement

### The School Buildings

The buildings of the Medical School are located on Compton Hill, the highest point in the city of St. Louis. The College property includes an acre and a half of ground upon the corner of Grand avenue and Caroline street, and comprises the Medical building and the Laboratory building, to which a wing 30x40 feet in size was added during the session of 1912-13.

All portions of the city are readily accessible by means of electric lines passing the School or in its immediate vicinity, thus greatly extending the territory from which patients are drawn for the clinics. The City Hospital, St. John's Hospital and St. Mary's Infirmary are within twenty minutes' ride from the Medical School. The City Sanitarium, the St. Ann's Asylum and the Alexian Brothers' Hospital are about thirty minutes' ride from the School.

### The Main Building

The main College building is four stories high. The first floor is devoted to the use of the St. Louis University Dispensary. The second floor contains the large amphitheater, with operating rooms attached, and research rooms for Pathology and Bacteriology. On the third floor are two lecture halls and the research rooms of the Department of Anatomy. These research rooms are provided with such apparatus and materials as are necessary for investigation in these subjects.



The fourth floor contains the dissecting room, 55 by 55 feet, and the laboratory for the study of cross sections, both well lighted by both skylight and windows. On this same floor are the prosecuting, embalming and storage rooms of the Department of Anatomy.

### **The Laboratory Building**

The first floor contains the laboratory for Chemistry, 36 by 56 feet, which is equipped with lockers, water, gas and complete sets of reagents and apparatus for individual laboratory practice for each student.

The entire second floor is devoted to laboratory instruction in Histology, Pathology and Bacteriology. This laboratory room is 36 by 50, lighted on the east and west sides. Accommodations are provided for eighty students. The laboratory is equipped with high-grade microscopes and with other appliances for good teaching. It has in connection with it the Museum and private rooms for instructors.

The third floor contains the laboratories of Physiology. These comprise two large student laboratories. The equipment includes a full complement of instruments for experimental work. There are also four research laboratories, a shop, a storeroom and dark room for the Physiological Department.

The new wing contains toilets, janitors' quarters and a laboratory on the first floor, the office and library on the second floor, and laboratories for physiological research, animal operating room and hospital and a shop on the third floor. Good quarters for dogs, rabbits, frogs, etc., used in experimental work, are located on the roof.

### **Library**

The library is open to students from 8 in the morning to 9 in the evening; the reading room is well lighted and ventilated. It contains about 6000 bound volumes.

One hundred and sixteen weekly and monthly journals are received. These include both American medical publications of general character and standard scientific journals.

### Clinical Facilities

The University is able to offer good facilities for practical clinical teaching in the following institutions in which appointments to the Medical Staff are made as specified :

I. BY THE HOSPITAL COMMISSIONER ON NOMINATION BY THE UNIVERSITY.

1. St. Louis City Hospital (one-half of the 800 beds).
2. St. Louis Isolation Hospital (one-half of the Service).
3. St. Louis Sanitarium (Visiting Surgeon).

II. BY THE UNIVERSITY SUBJECT TO APPROVAL OF THE \*HOSPITAL AUTHORITIES :

4. Alexian Brothers' Hospital.
5. St. John's Hospital.
6. Mt. St. Rose Hospital.
7. St. Ann's Lying-In Infirmary.
8. St. Ann's Foundling Asylum.
9. St. Anthony's Hospital.
10. St. John's Clinical Dispensary.
11. Alexian Brothers' Dispensary.
12. St. Louis Obstetric Dispensary.

III. BY THE UNIVERSITY DIRECT :

13. St. Louis University Dispensary.

IV. BY THE HOSPITAL AUTHORITIES, IN CLOSE AFFILIATION WITH THE UNIVERSITY :

14. St. Mary's Infirmary.

V. BY HOSPITAL AUTHORITIES ENTIRELY INDEPENDENT OF THE UNIVERSITY :

15. Jewish Hospital Dispensary.

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\*No recommendation of the University has thus far been disapproved.

## Clinical Instruction

### JUNIOR CLASS:

For the Junior year, clinical instruction is given as follows:

1. By clinical lectures and demonstrations in Medicine and Surgery to divisions of half the class at the City Hospital and St. John's Hospital.

2. By practical work in Medicine and Surgery in small sections at the following dispensaries:

St. Louis University Dispensary.

St. John's Clinical Dispensary.

Alexian Brothers' Dispensary.

Jewish Hospital Dispensary.

In this respect arrangements are made so that each student has a dispensary service in medicine and surgery three days a week without conflict with his other work.

### SENIOR CLASS:

For the Senior year, clinical instruction is required as follows:

1. Extern service at St. John's Hospital, St. Mary's Infirmary, Alexian Brothers' Hospital, Jewish Hospital, St. Anthony's Hospital every day except Saturday from 9 to 12, for eight weeks in medicine and eight weeks in surgery.

2. Extern service at the City Hospital every day from 9 to 12, for four weeks in medicine and four weeks in surgery.

3. Instruction in Dermatology, Diseases of Children, Ear, Nose and Throat Diseases, Genito-Urinary Diseases, Nervous and Mental Diseases, Gynecology, Ophthalmology and Orthopedic Surgery, in sections of four or five at the various hospitals and dispensaries, affiliated with the institution.

4. Seven obstetric cases are required of each candidate for graduation, delivered under the supervision of an instructor in the following institutions:

St. Ann's Lying-In Infirmary.

St. Louis City Hospital.

St. Louis Obstetric Dispensary.

5. Clinical Lectures and Demonstrations for one semester, 2 hours a week.

In Diseases of Children at St. Ann's Foundling Asylum.

In Mental Diseases at St. Louis City Sanitarium.

ST. LOUIS CITY HOSPITAL AND ISOLATION HOSPITAL.

By the order of the Director of Public Welfare and the Hospital Commissioner, the University was permitted to name the Medical Staff to Unit Two of the City Hospital and at the Isolation Hospital on November 1st, 1914.

The St. Louis City Hospital No. II, with accommodations for 300 colored patients, has been placed in the same category as the other city institutions.

These authorities have extended the privileges so that at the present time the University commands the service to the extent of 400 definitely assigned beds with their complement of interns and seniors, in the City Hospital and one-half of the patients in the Isolation Hospital. Aside from the advantage to the patients by this method of selecting the Medical Staff, the Hospital fulfills its other great function of providing clinical instruction for students in medicine.



## Outlines of Courses

### Outline of the Course in Medicine

**FIRST OR FRESHMAN YEAR.** Anatomy: Dissection, Histology, Embryology, Neurology; Physiological Chemistry, Bacteriology I.

**SECOND OR SOPHOMORE YEAR.** Topographical Anatomy, Physiology, Bacteriology II, Pathology, Materia Medica, Pharmacodynamics, Hygiene, Normal Physical Diagnosis, Surgery I.

**THIRD OR JUNIOR YEAR.** Medicine, Pediatrics, Physical Diagnosis, Clinical Pathology, Nervous Diseases, Pharmacology, Obstetrics, Surgical Pathology, Principles of Surgery, Orthopedic Surgery, Fractures and Dislocations, Gynecology, Therapeutics, Hygiene and Ophthalmology. Also Medical and Surgical Clinics, chiefly diagnostic. Practical work in Obstetrics.

**FOURTH OR SENIOR YEAR.** Chiefly clinical and largely in small sections at the hospitals and dispensaries. Extern service, twelve weeks in Medicine and twelve weeks in Surgery; practice in Obstetrics; also didactic courses in Dermatology and Syphilis, Diseases of Children, Genito-Urinary Diseases, Gynecology, Obstetrics, Dietetics, Nervous and Mental Diseases, Ear, Nose and Throat Diseases, Ophthalmology, Regional Surgery and on special topics in Medicine, Medical Law and Ethics.

### Outline of Combined Course in Science and Medicine

A six year course is offered in conjunction with the College of Arts and Science leading to the B. S. degree in four years and the M. D. degree in six years.

Sixty credit hours of work in an acceptable College are required as follows:

Physics, 8; Chemistry, 12; Biology, 8; German or French, 8; English, 6; Electives, 18.

The Council is given authority to evaluate credits from other institutions and to decide what electives may be taken.

The following plan is recommended for graduates of accredited high schools who enter upon the six-year course:

#### First Year

DEPARTMENT	Hours per Week		Didactic	Laboratory
	First Semester	Second Semester		
Modern Language.....	4	4	128	.....
Biology.....	4	4	64	192
Chemistry, Inorganic.....	4	4	64	192
English.....	3	3	96	.....
Total.....	15	15	352	384

#### Second Year

DEPARTMENT	Hours per Week		Didactic	Laboratory
	First Semester	Second Semester		
Modern Language.....	4	4	128	.....
Physics.....	4	4	64	192
Psychology.....	3	.....	48	.....
Ethics and Logic.....	.....	3	48	.....
Organic Chemistry.....	.....	4	48	128
Analytical Chemistry	4	.....	32	96
Total.....	15	15	368	416

## Departmental Announcements

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### Anatomy, Histology, Neurology and Biology

#### The Anatomical, Histological and Embryological Laboratories, Museum and Library

The anatomical laboratories occupy the top floor of the main building. They comprise the following: Large dissecting room 55 by 55 feet, which is well lighted by both skylights and windows; a study and recitation room, 36x36; private rooms for prosecuting and research work; an embalming room and a storage room. An abundance of material for class and research work is provided and great care is taken in its preparation.

The laboratories of histology, neurology and embryology are on the second floor of the laboratory building. The laboratories are equipped with modern Leitz microscopes, together with apparatus and sets of reagents for histological and embryological work.

On the third floor is a series of private work rooms for instructors and advanced students. These rooms connect with the research laboratory, which is equipped with apparatus for investigative work. During the past thirteen years a considerable amount of anatomical material has been prepared for special work. A fairly large collection of human embryos and an embryological series of several vertebrates provide material for investigation and class work.

Students who are suitably qualified, and physicians who desire to do research work in the lines of anatomy, histology, neurology or embryology, will receive every encouragement which the department is able to offer.

### Courses in Anatomy

1. HUMAN DISSECTION. The student makes a dissection of one-half of the body.

Laboratory, twelve hours a week, first semester, first year.

2. RECITATION IN GROSS ANATOMY, four hours a week, with course 1.

3. HUMAN DISSECTION. (Continuation of Course 1.)

Laboratory, twelve hours a week, second semester, first year.

4. RECITATION IN GROSS ANATOMY, four hours a week, with Course 3.

Prerequisite for Courses 1 and 4—one year's preparation in Biology.

5. TOPOGRAPHICAL ANATOMY. Having completed the systematic dissections, the student proceeds to a study of the topography and relations of the various regions and parts of the body by means of serial sections of formalin-hardened bodies.

Laboratory, eight hours a week. Recitations two hours a week, second semester, second year.

### Histology

6. This course presupposes familiarity with the use of the microscope and with microscopic methods. Various parts and organs are studied with reference to complexity in structure rather than location. The student is expected to provide himself with one hundred 4x6 library cards, and will make one drawing on each card, together with a notation of structural characteristic. Slides will be given out stained and mounted. This course is primarily designed as a preparation for the study of pathology.

Lecture five hours; laboratory ten hours a week, first semester, first year.



### Embryology

7. The course in embryology presupposes certain fundamental knowledge of vertebrate biology and a course in general embryology of amphibian, reptile, bird and mammal is suggested as preparation. The study is confined to the relations as obtained in a 12 mm. and 16 mm. pig serial and is accompanied by gross dissection of larger pig embryos. The relations of tracts and systems are charted by the graphic method and the course is primarily one of organogenesis.

Lectures three hours; laboratory six hours a week, first semester, first year.

### Neurology

8. A brief course in the development of the nervous system and special sense organs. The student is required to make drawings of selected sections from a human brain stem serial and to dissect a human brain. The course concludes with the histology of the brain and special sense organs. The course is given as a preparation for the course in the physiology of the central nervous system.

Lecture one hour; laboratory three hours a week, second semester, first year.

### Biology

9. **INVERTEBRATE ZOOLOGY.** A study of the morphology, physiology, behavior, and life history of invertebrate animals. Special attention is given to parasitic protozoa, worms and disease bearing insects. Lectures and recitations, two hours a week; laboratory work, six hours a week, first Collegiate-Medical year, first semester.

10. **VERTEBRATE ZOOLOGY.** A study of the comparative anatomy and physiology of vertebrate animals. Attention is also given to problems of broader biological interest. Lectures and recitations, two hours a week; laboratory work, six hours a week, first Collegiate-Medical year, second semester.

### Comparative Embryology

11. A comparative study of the origin, derivation and maturation of germ cells, and the early developmental stages of representative types of invertebrates and vertebrates. This course is designed to prepare the student for Course 7. Lectures one hour per week; laboratory work three hours per week.

Second semester, second Collegiate-Medical year.

### Genetics

12. A study of the general problems of organic evolution and heredity, with a review of the more recent experimental work in animal and plant breeding. Lectures two hours per week.

Second semester, second Collegiate-Medical year.

Preparation in Biology prerequisite for these courses.

### Research Courses

13. ANATOMICAL, HISTOLOGICAL AND EMBRYOLOGICAL RESEARCH. Hours to be arranged.

14. SEMINAR. The members of the department will meet fortnightly with those in Physiology and Pathology to present and discuss the results of their special investigations, to review recent contributions to anatomical literature and to consider the best lines of advance in selected fields of anatomical research.

### Chemistry

1. GENERAL CHEMISTRY. Lectures and recitations, two hours each week throughout the First Collegiate-Medical year. Chemical Theory from the viewpoint of medical practice. The fundamental principles of chemistry illustrated and explained by those substances and reactions which are industrially, historically or physiologically important. The elements of systematic analysis, qualitative and quantitative.

2. LABORATORY EXERCISES, six hours each week throughout the first Collegiate-Medical year.

A careful study of qualitative and quantitative reactions, designed to confirm and illustrate the laws of chemical action, and to develop proficiency in standard methods of analysis. Together with those of the following courses, these exercises are intended to lead the student to such a mastery of chemical methods as will enable him intelligently and effectively to attack, from their chemical side, the problems which medical practice will later propose.

3. ORGANIC CHEMISTRY. Lectures and recitations three hours each week, first semester, second collegiate year. Outline of organic chemistry, with emphasis on the properties of the chief classes of organic substances and on the reactions which may be employed in their recognition. The toxicology of organic poisons.

4. LABORATORY EXERCISES, nine hours each week, first semester, second collegiate year. A limited number of organic syntheses together with numerous general and specific qualitative reactions for the recognition of important classes of organic compounds, as well as of individual substances. Methods of detecting the more common organic poisons and of discovering dangerous impurities in suspected therapeutic agents.

5. PHYSIOLOGICAL CHEMISTRY. Lectures and recitations, four hours each week, second semester, Freshman year. A detailed study: (1) of the chemistry of the chief constituents of foods; (2) of the varied processes of food metabolism; (3) of the intermediary and end products of these processes; (4) of the more important animal tissues, secretions and excretions.

6. LABORATORY EXERCISES, nine hours each week, second semester, Freshman year. An extended individual study of the above processes; with preparations, tests and quantitative

determinations of those substances met with, which have biological or clinical importance, especially those in blood and urine.

### **Dermatology and Syphilology**

1. LECTURES ON DERMATOLOGY AND SYPHILOLOGY, including Vaccination, to the Senior class, one hour each week, first semester.

2. PRACTICAL CLINICAL INSTRUCTION IN DERMATOLOGY AND SYPHILOLOGY to the Senior class in sections, thirty-two hours for each student; St. Louis University Dispensary, City Hospital, City Sanitarium, Alexian Brothers' Hospital, Jewish Dispensary and St. John's Dispensary.

### **Diseases of Children**

1. LECTURES: Didactic Lecture, one hour each week to the Junior class, throughout the year.

2. CLINICAL INSTRUCTION, Children's Clinic, St. Louis University Dispensary, one hour each week for the Junior class in sections, throughout the year; eight hours to each student.

3. PHYSICAL DIAGNOSIS OF INFANTS AND INFANTS' FEEDING, three hours each week throughout the year to the Senior class, in divisions; 48 hours to each student at St. Ann's Asylum.

4. CLINICAL INSTRUCTION, in sections, at the City Hospital, Infectious Hospital, Jewish Dispensary and St. John's Dispensary and at other institutions for the Senior class, in sections; 40 hours to each student.

5. DIDACTIC LECTURES, to Senior class, one hour each week throughout the year, 32 hours. This course comprises lectures on selected topics by members of the department.

### **Ear, Nose and Throat Diseases**

1. CLINICAL LECTURES, with recitations, one hour a week, to the Senior class. As large a portion of the subject as



possible is presented in these clinical lectures. Patients are brought before the class to illustrate points in diagnosis symptomatology, history taking and prognosis. Where the subject does not lend itself well to demonstration by this method, lectures are given and conferences or recitations are held.

From time to time topics are assigned which students are required to study in text-books and other publications which are available. After a proper time they are required to present a written thesis upon the subject. The German publications are referred to one or two students, the French to one or two, and also the English. The written papers are read before the class and a general discussion indulged in by the members.

Several periods of this course will be assigned to the different instructors, who will present designated topics to the class.

2a. ANATOMY OF THE NOSE. Senior class in sections, the large collection of preparations belonging to the department being available for this purpose. Two hours.

2b. ANATOMY OF THE PHARYNX AND LARYNX. Senior class in sections. Two hours.

2c. ANATOMY OF THE EAR. The Gross Anatomy of the Ear. Demonstrations to the Senior class in sections. Two hours.

3. PRACTICAL CLINICAL INSTRUCTION, Senior class in sections, thirty-six hours for each student: St. Louis University Dispensary, St. John's Clinical Dispensary, Alexian Brothers' Dispensary, St. John's Hospital and City Hospital.

4. POST-GRADUATE INSTRUCTION. The following institutions are available for instruction: City Hospital, St. Louis University Dispensary, St. John's Hospital, Jewish Dispensary, Alexian Brothers' Hospital.

5. ORAL SURGERY. Demonstrations by operations.

### **Experimental Medicine**

The object of this department is to furnish an agency for the investigation of clinical medicine through experimental

methods. The information gained in this field of medicine is necessary for a more thorough appreciation of the phenomena of disease in human subjects.

While most of the activity of this department will be devoted to problems with which the students will not be intimately associated, lectures will be given on investigative methods and results, and by co-operating with the clinical department, a co-ordinated understanding of disease will be promoted.

A few students in the advanced classes, whose work and inclination justify it, will be accepted for special instruction.

### **Genito-Urinary Surgery**

1. LECTURES, twenty hours in all, to the Senior class, first semester.

2. CLINICAL INSTRUCTION to the Senior class in sections, thirty-six hours for each student: St. Louis University Dispensary, City Hospital, Alexian Brothers' Dispensary, St. John's Hospital.

### **Hygiene and Preventive Medicine**

1. This course deals with the subjects of personal hygiene, industrial hygiene, sanitation, vital statistics and public health organizations; lectures, three hours a week, second semester, sophomore year.

2. LECTURES. This course embraces the principles of sanitary science, public health and preventive medicine. Junior class, one hour a week throughout the year.

a. It begins with the study of the causes of disease; extrinsic or environmental; intrinsic or constitutional.

b. Ancient and modern conception of the cause of disease. Development of bacteriology. Infection. Immunity.

c. Environmental causes of disease. Air, Water, Temperature, Foods.

- d. Municipal Sanitation. State and Federal control.
- e. Occupational Disease.
- f. Personal Hygiene.
- g. Preventive Medicine, based upon a thorough study and understanding of the causes of infectious diseases and the methods by which they are spread.
- h. Quarantine, Isolation, Disinfection.

### Medical Law and Ethics

1. LECTURES. Positive Law and the Profession of Medicine, two hours a week throughout the first semester, to the Senior class.
2. LECTURES. Natural Law and the Profession of Medicine, one hour a week for eight weeks, second semester, to the Senior class.

### Medicine

The course in medicine begins in the second semester of the second year with the study of Normal Physical Diagnosis. A routine examination of the body is insisted upon from the beginning, so that a definite method will be fixed in the student's mind.

During the third year symptomatology and diagnosis are given especial emphasis. The class matter consists of Clinical Pathology; of quiz work in small sections from a standard text-book of medicine; of division clinics to follow and emphasize the text-book teaching; of Physical Diagnosis and diagnostic methods; and of practical application in the out-patient clinics.

The fourth year is given to the study of disease in the out-patients' departments and in bedside instruction in the various hospitals. A course of lectures is also given on selected topics by the different members of the department. Clinical conferences are conducted, in which reports of interesting cases, essays on selected topics, etc., are discussed by the students themselves. Clinical Pathology, analyses and all

forms of laboratory diagnosis demanded of the students are conducted in a laboratory especially fitted out for the use of Senior students.

1. NORMAL PHYSICAL DIAGNOSIS, lectures, one hour a week. Laboratory, two hours a week. Sophomore class during the second semester.

2. RECITATIONS FROM TEXT-BOOK, three hours a week, Junior class, throughout the year.

3. DIAGNOSTIC CLINICS, Junior class, to follow text-book work, two hours a week throughout the year: City Hospital and St. John's Hospital.

4. PHYSICAL DIAGNOSIS, Junior class, four hours a week, half clinical and half didactic, devoted to lectures, demonstrations and practical exercises at the bedside.

5. CLINICAL PATHOLOGY, Junior class, one hour lecture and two hours laboratory a week, throughout the year.

6. CLINICAL PHYSIOLOGY, given jointly with the department of physiology; two hours per week, second semester. Junior year (see course 3 under department of physiology).

7. OUT-PATIENT PRACTICE, in sections, Junior class, 32 hours for each student, throughout the year, at the Dispensaries.

8. THERAPEUTICS. Lectures and recitations three hours a week, second semester, Junior class.

9. LECTURES ON SELECTED TOPICS, one hour a week, Senior class, throughout the year.

10. EXTERN SERVICE, three hours five days a week for twelve weeks for each Senior student, a total of 180 hours; Alexian Brothers' Hospital, City Hospital, St. John's Hospital, St. Anthony's Hospital and St. Mary's Infirmary.

11. CLINICAL CONFERENCES BY DIFFERENT MEMBERS OF THE DEPARTMENT, one hour a week throughout the Senior year.

12. CLINICAL PATHOLOGY, Senior class in sections, in connection with Extern Service at the various hospitals.



13. DIET-THERAPY, two hours a week, first semester, Senior class.

### **Nervous and Mental Diseases**

1. NEUROLOGY. Recitations from text book. Junior class in two divisions, one hour a week.

2. TECHNIC OF NEUROLOGICAL EXAMINATIONS. Junior class in sections, 12 hours, at the City Hospital.

3. NEUROLOGY. Senior class, one hour a week throughout the year.

4. NORMAL PSYCHOLOGY AND PSYCHIATRIC METHODS. Junior class one hour a week, first semester.

5. PSYCHIATRY. Recitations from text book. Junior class, one hour a week, second semester.

6. PSYCHIATRY. Clinical Course at the City Sanitarium, Senior class, 32 hours.

7. NEURO-PSYCHIATRY. Clinical instruction in Dispensaries and ward work in St. Louis City and Alexian Brothers' Hospitals. Senior class, 30 hours.

### **Obstetrics and Gynecology**

#### **Obstetrics**

1. LECTURES: NORMAL LABOR, two hours a week to the Junior class, during the first semester.

2. RECITATIONS: COMPLICATIONS OF LABOR, one hour a week, Junior class, during second semester. A standard textbook is used as the basis for this course.

3. LECTURES: OPERATIVE OBSTETRICS, one hour a week, to Junior class, second semester.

4. CLINICAL DEMONSTRATIONS in sections, Junior class, second semester, six hours for each student.

5. LECTURES, DYSTOCIA AND PATHOLOGY OF THE PUERPERIUM, one hour a week throughout the year to Senior class.

6. RECITATIONS AND QUIZZES, one hour a week, second semester, to Senior class.

7. DEMONSTRATIONS AND PRACTICE ON MANIKIN. Begins with four lectures to entire Senior Class (4 hours), followed by sectional instruction on the manikin, three hours for each student, second semester.

8. PRACTICAL INSTRUCTION. Each student must personally attend at least seven cases, about 100 hours. Record of the cases before and after confinement must be filed at the office. This work is given in the Senior year.

### Gynecology

9. LECTURES AND DEMONSTRATIONS. The Etiology, Pathology and Symptomatology of Gynecological Diseases, two hours a week to the Junior class, second semester.

10. GYNECOLOGICAL EXAMINATIONS (with Course 4.)

11. DIDACTIC AND CLINICAL LECTURES WITH DEMONSTRATIONS, on selected topics one hour a week, to the Senior class. By members of the department.

12. QUIZZES AND CONFERENCES, one hour a week during one semester, to the Senior class.

13. PRACTICAL INSTRUCTION IN DISPENSARY AND WARDS, twenty-five hours for each student.

### Ophthalmology

1. LECTURES to Junior class, one hour a week, second semester.

2. CLINICAL AND DIDACTIC LECTURES to Senior class one hour a week throughout the year.

3. CLINICAL INSTRUCTION to Senior class in sections, 18 hours for each student: St. Louis University Dispensary, Alexian Brothers' Dispensary, St. Mary's Dispensary, St. John's Dispensary.

### Pathology and Bacteriology

#### Equipment

The laboratories for this department consist of a large well-lighted room with ample capacity for eighty stu-

dents, a research laboratory, preparation rooms and private rooms for the teachers of the department.

The laboratories are equipped with modern Leitz microscopes (which are used in common with histology), oil immersion lenses, projectascope, and all necessary material for teaching and research in Pathology and Bacteriology according to advanced standards.

In the pathological research laboratory is ample equipment for all kinds of histological work, including paraffin, celloidin and freezing methods of tissue preparations, microtomes, incubators, thermostats, reagents, stains, museum jars, glassware, etc. There is also equipment for serum and immunity work.

The material for teaching and research purposes represents carefully selected tissues from autopsies and surgical operations that have been collected for a number of years.

Material for gross demonstrations comprises several hundred museum specimens covering a great variety of special lesions and including malignant and benign new growths.

### **General and Special Pathology**

The course in Pathology consists of laboratory work, demonstrations, post-mortem examinations, lectures and recitations, practical work predominating.

Lectures or recitations are given six times a week. It is the object of the lecturer to cover in the course of a year all of the essential points in general and special pathology. The topics of the lectures precede the laboratory work, so that the student has fresh in mind a general survey of a given subject immediately before he begins its more specific study with tissue and microscope.

Twelve hours a week during the second semester are devoted to laboratory work. Each student mounts and keeps his own specimens. In addition a large number of specially selected demonstration specimens are shown. Every specimen must be drawn and objectively described and deductions made

from the observations. Every drawing and description is submitted to an instructor and must be satisfactory before it is passed by him.

In addition to the microscopic work, demonstrations are given of gross lesions, both by means of fresh material and museum preparations, so that a knowledge of the gross appearance goes along with the study of microscopic changes.

### **Autopsies**

The Snodgrass Laboratory of Pathology and Bacteriology, in connection with the City Hospital, offers, through the courtesy of the Hospital Commissioner and the Director of the Laboratory, opportunity for autopsy material to the medical schools of St. Louis. Sections of the class are sent to the Snodgrass Laboratory for autopsy work. The private hospitals furnish a considerable number of autopsies to the Department. An opportunity to see specially selected medico-legal autopsies has been made possible through the courtesy of the Coroner of St. Louis.

### **Surgical Pathology**

The teaching in this course is included in the course given in the Sophomore year in general pathology. The object of the course is to equip the student with a comprehensive knowledge of the gross and microscopical appearance of benign and malignant new growths, the changes caused by these, and the ultimate results. The etiology, development, method of growth, spread and recurrence of tumors is studied.

### **Gynecological and Obstetrical Pathology**

This course was established with the purpose of correlating the pathological findings of the female pelvic organs with the symptomatology as described in the lectures on Gynecology and Obstetrics. It is therefore supplementary to these lectures and gives the student a comprehensive picture of the physiological and pathological changes, both gross and microscopic, which take place in these tissues.



As many gross specimens as are available are shown illustrating the topics under discussion, and slides of all the important pathological processes are furnished the students as a part of their permanent collections whenever possible.

### **Experimental Pathology**

Students who show special interest in the work will be given an opportunity to participate in the experimental work that is conducted in the department. Special demonstrations along this line are given to the class from time to time in connection with diseases of the circulatory and respiratory systems, ductless glands and immunity.

### **Research Courses**

Every encouragement will be given to those who wish to undertake research work. A limited number who desire can receive instruction in methods of fixing, mounting and cutting sections, and in the various differential stains, and all essential features of pathological technic.

### **Bacteriology**

1. Course 1 covers the essentials of the technique of bacteriological work. The subjects taken up include the morphology and biology of bacteria and their manner and extent of action in the animal body. Consideration is given to the preparation, titration and uses of various media; to the characteristic features of the growth of organisms on culture media, and finally the differentiation of bacteria by cultural methods. This course aims principally to prepare the student for the more distinctly medical aspects of the subject taken up in the sophomore year and therefore includes consideration of both non-pathogenic and pathogenic organisms.

This course will be given in this form to the freshman class for the first time during the year 1920-1921.

2. In Course 2 in the sophomore year effort is made to correlate the study of the pathogenic micro-organisms with

the pathological manifestations. For this purpose the gross and microscopic pathology of the diseases produced by the micro-organisms is correlated with the study of the individual organisms.

The lectures cover the biological position of the various pathogenic micro-organisms, the general morphology, and classification of the organisms, their biology and occurrence, the principles of disinfection and sterilization, methods of examining and identifying bacteria, and finally the study of the individual pathogenic micro-organisms. The laboratory course dwells chiefly upon the methods of cultivation and identification of the various pathogenic bacteria, special staining methods, or cultural methods. The student is given the opportunity to familiarize himself with methods of sterilization and preparation of media, but relatively little time is spent upon this work. He is taught the principles of bacteriological examination of water, air and soil, and the practical value of such examinations. The bacteriological examination of sputum or smears is dwelt upon.

### Parasitology

In the continuation of the course in Bacteriology the higher unicellular organisms causing disease in humans are studied; demonstrations of the spirochetes, trypanosomes, hemocytzoa and other protozoa are given and when possible the living organisms are studied by the students, in order to enable them to familiarize themselves with the structure and life cycle of these organisms.

### Serology and Immunity

The lectures deal with the principles of immunity, the various types of immunity, the immune bodies and the method of their production, their relation to the reaction of the human body to infection, and the use of specific serum therapy in disease. The various clinical uses of the serum reactions, Wassermann reaction, Widal reaction and preparation of vac-

cines, are demonstrated and the student is given the opportunity to learn by practical exercise the more common clinical serological methods. In other cases demonstrations are given to illustrate the various reactions of immunity, and to make more clear the mechanism of immunity. In all such demonstrations the students are given as much opportunity as possible to assist in the experiment.

### **Courses in Pathology**

1. LECTURES OR RECITATIONS, six hours a week, second semester, the Sophomore class, covering general and special pathology.

2. LABORATORY WORK, twelve hours a week, Sophomore class, second semester.

3. AUTOPSIES, three hours a week to sections of the Sophomore class, the equivalent of one hour a week for each student included in Course 2. Snodgrass Laboratory, City Morgue.

4. SURGICAL PATHOLOGY. Eighteen hours a week for two weeks as part of Courses 1 and 2.

5. GYNECOLOGICAL PATHOLOGY. Two hours a week for the second semester, Junior class.

### **Courses in Bacteriology and Parasitology**

6. LECTURES AND QUIZZES IN BACTERIOLOGY, one hour a week during the first semester, Freshman class.

7. LABORATORY WORK IN BACTERIOLOGY, three hours a week during first semester of Freshman year.

8. LECTURES AND QUIZZES IN BACTERIOLOGY, two hours a week during the first semester, Sophomore class.

9. LABORATORY WORK IN BACTERIOLOGY. Six hours a week during the first semester, Sophomore year.

10. LECTURES IN IMMUNITY, one hour a week during first semester, Sophomore class.

11. LABORATORY WORK IN IMMUNITY, four hours a week during the first semester Sophomore year.

### Research Courses

12. RESEARCH IN PATHOLOGY AND BACTERIOLOGY.

13. SEMINAR. The members of the department will meet fortnightly with those in Anatomy and Physiology to present and discuss the results of their special investigations, to review recent contributions to pathological literature and to consider the best lines of advance in selected fields of research.

### Physics

1. COLLEGE PHYSICS, lectures and demonstrations, two hours a week; laboratory, six hours a week, course open to Collegiate-Medical students.

This course is given in the Physics Laboratory of the College.

### Physiology and Pharmacology

#### Laboratories and Library

The laboratories for Physiology and Pharmacology occupy the top floor of the new building. They are fitted out with the apparatus necessary for modern courses for medical students. Several small laboratories for research have also been equipped. In the new wing recently completed are an animal operating room, an animal hospital, a shop and two research laboratories. An animal house and runway occupy the roof of the wing.

### Instruction

The instruction in Physiology is given during the first semester of the Sophomore year. The student before beginning his work in Physiology must have completed his dissection, histology, neurology, embryology and physiological chemistry.

The course consists of systematic lectures upon animal physiology supplemented by work in the laboratory, demonstration of experiments that cannot be carried out conven-



iently by the student, frequent oral or written quizzes and recitations.

In the laboratory the student becomes acquainted with the use of simpler forms of physiological apparatus. He is given an opportunity to work out for himself, so far as time will permit, the fundamental experiments of physiology; to develop the power of accurate observation and description; the ability to arrange results in a logical order and to draw only warranted conclusions.

The strong modern tendency toward lack of correlation between the fundamental and clinical years is recognized and an attempt made in the course in physiology to so clinch the information given the student that when he comes to his clinical work it will be easily available. This is done, for example, by indicating now and then some pathological variation in function encountered by the student in his clinical medicine. Occasionally also an Instructor from the proper department is called in to demonstrate a human subject that shows in some respect a clean-cut deviation from the normal.

In order to further correlate the subject with Clinical Medicine a course in Clinical and Experimental Physiology is offered under the joint direction of the Departments of Physiology and Medicine. This course is offered to Juniors during the second semester after they have had one semester of clinical contact. It is believed they will have developed by that time a greater interest in the fundamental phenomena underlying clinical medicine.

As far as possible the demonstration-conference method is followed, use being made of both human subjects and experimental animals. The physiology and clinical aspects of such topics as the following are considered: Vomiting, cardiac and vascular phenomena, edema, renal function, liver function, gastric and intestinal motility, temperature regulation, respiration including asthma, pain.

### Courses in Physiology

1. PHYSIOLOGY OF MUSCLE, BLOOD, CIRCULATION, RESPIRATION, ANIMAL HEAT, NERVOUS SYSTEM, SPECIAL SENSES, DIGESTION, ABSORPTION, METABOLISM, SECRETION AND EXCRETION.

Lectures, demonstrations, recitations and quizzes, eight hours a week, first semester, Sophomore year.

Laboratory work, ten hours a week, first semester, Sophomore year.

2. LIBRARY WORK. Each student in Course 1 is assigned at least one subject with references in the original literature, which he must consult and critically review. As many as possible of these reviews are presented before the class.

3. CLINICAL AND EXPERIMENTAL PHYSIOLOGY. Demonstrations and conferences, two hours a week, second semester, Junior year. By members of the departments of Physiology and Medicine.

### Courses in Pharmacology and Materia Medica

4. MATERIA MEDICA. The sources, preparation and dosage of drugs. Exercises in prescription writing. Lectures and demonstrations, two hours a week, second semester, Sophomore year.

5. PHARMACODYNAMICS. Lectures, demonstrations, recitations, quizzes and laboratory work. This course serves as an experimental basis for the purely didactic work of Course 6 and is counted as half laboratory and half didactic work. Six hours a week, second semester, Sophomore year.

6. PHARMACOLOGY. Lectures, recitations and quizzes, four hours a week, first semester, Junior year.

### Research Courses

7. RESEARCH IN PHYSIOLOGY AND PHARMACOLOGY.

8. SEMINAR. The members of the department meet fortnightly with those in Anatomy and Pathology to present and discuss the results of their investigations and to review recent contributions to physiological literature.

### Radiology

The equipment of the X-ray laboratory is representative of the best that is in use at the present time. It includes both table and fluoroscopic instruments. The instruction in radiology consists of lectures on the principles of Radiology, demonstrations to students in small groups, interpretation of plates, etc. The fluoroscopic equipment in particular is used in co-operation with the department of Physiology to demonstrate the action of the respiratory, cardiac and digestive organs.

1. LECTURES, DEMONSTRATIONS, RECITATIONS AND QUIZZES, two hours a week, second semester, Junior year.

### Surgery

SURGICAL PATHOLOGY (See Course 5, Department of Pathology.)

1. MINOR SURGERY, two hours a week, Sophomore class, first semester.

2. PRINCIPLES OF SURGERY. Recitations and Lectures, two hours a week throughout the year to the Junior class.

3. OUT-PATIENT DISPENSARY WORK, thirty-two hours for each student of the Junior class, throughout the year. Section work at the Alexian Brothers' Hospital, St. Louis University Dispensary, St. John's Dispensary, St. Mary's Dispensary and Jewish Hospital Dispensary.

4. FRACTURES AND DISLOCATIONS. Lectures to the Junior class, second semester, two hours a week.

5. ORTHOPEDIC SURGERY. Lectures to the Junior class, one hour a week, second semester.

6. DIAGNOSIS CLINICS. Junior class, in divisions, at St. John's Hospital and City Hospital, three hours a week for each student throughout the year.

7. OPERATIVE SURGERY AND SURGICAL ANATOMY ON THE CADAVER AND ANIMALS. Senior class, in sections, thirty hours for each student.

8. REGIONAL SURGERY, recitation course, two hours a week, first semester, Senior year.

9. EXTERN SERVICE. Three hours daily for twelve weeks for each Senior student, 180 hours: City Hospital, St. Mary's Infirmary, Alexian Brothers' Hospital, St. John's Hospital.

10. ANESTHESIA. Lectures and Demonstrations, Senior year. (Hours and instructor to be appointed.)

11. PRACTICAL CLINICAL INSTRUCTION IN ORTHOPEDICS. Senior class in sections, fifteen hours for each student: St. Louis University Dispensary, City Hospital and St. John's Clinical Dispensary. Operations in other hospitals, on call, about six hours for each student.



## Requirements for Admission

### Admission to the Four Years Course

In addition to the required full four years course of 15 units in an accredited high school, the following required college credits covering two years of college work must be presented:

#### \*SEMESTER HOURS

BRANCHES	LECTURES and RECITATIONS	LABORATORY	TOTAL
English.....	6 hours	.....	6 hours
Foreign Language...	8 hours	.....	8 hours
Biology.....	4 hours	4 hours	8 hours
Physics.....	4 hours	4 hours	8 hours
Chemistry†.....	6 hours	6 hours	12 hours
Electives .....	18 hours	.....	18 hours
	46 hours	14 hours	60 hours

\*Each semester hour signifies one hour of lecture or recitation or three hours of laboratory work.

#### Time of Admission

For the most part students will find it advantageous to enter at the beginning of the First Semester in October, 1921; but qualified students may begin their work with the Second Semester, February 1, 1922, or with the Summer Term, about June 1. All new students and those who have conditions are advised to be present on September 27, the first day of registration. No student can enter more than one week after the beginning of a semester and receive full credit for a semester's work.

#### Requirements for Graduation

1. Four annual courses of not less than thirty-two weeks each, no two being in the same year, are required of every candidate for graduation.

2. The last year's course shall have been taken in this institution.

3. Acceptable evidence of good moral character must have been filed.

\*Each semester hour signifies one hour of lecture or recitation or three hours of laboratory work.

†Four of these twelve hours must be in Organic Chemistry.

4. The candidate shall be at least twenty-one years old.
5. He shall have satisfactory credits and pass his final examinations in accordance with the rules laid down by the Faculty.
6. All indebtedness to the school shall have been paid.

### Time of Graduation

Regular graduation exercises are held at the end of each semester. Occasionally students are graduated at the end of the Summer School.

### Fees for the Regular Courses

Matriculation Fee (paid but once).....	\$ 5.00
Tuition Fee (Freshman, Sophomore, Junior and Senior classes), each year.....	200.00
Tuition Fee for Premedic classes, each year.....	150.00
Deposit (returnable in part) for all classes.....	10.00
Diploma Fee .....	10.00

No charge is made for dissecting material nor for laboratory practice, but each student is required to deposit \$10.00 to cover mimeographing, laboratory supplies, breakage and damage done to any college property. This amount, less the actual cost of the above items, will be returned to each student at the end of the session.

When possible, loss or damage is charged to the student who is responsible; but in some cases it may be divided among a class or group of students, if the Dean considers such procedure just. The purpose is to make every student a guardian of the college property.

Deposit fees are payable in advance at the beginning of the school year.

Tuition fees are payable one-half at the beginning of each semester, October 1 and February 1. No fees are returnable except the deposit above mentioned.

### **Internships**

Every medical student should look forward to a service of one or two years in a good hospital before going into private practice. Within a few years, probably such a service will be one of the prerequisites to medical licensure in most of the States of this country. It is already required in some States.

### **Hospital Examinations and Appointments**

The Cincinnati General Hospital and other hospitals offer their examinations for internships in St. Louis so that students may take them without inconvenience.

The St. Louis City Hospital and many other hospitals appoint their interns without examination, on recommendation by the authorities of this Medical School.

## Summer School Courses

The growing demand of practitioners and students, together with the urgent requests of Alumni and friends of the St. Louis University School of Medicine, to establish Summer Courses of Medical Instruction, was met in 1908 by formulating a schedule of courses covering both clinical and fundamental branches. The course begins early in June and ends late in July—a period of eight weeks.

The Summer School of Medicine is intended to provide facilities for three classes of students.

The first class comprises medical graduates who wish to take additional clinical instruction or to review fundamental subjects or to make themselves familiar with new methods of diagnosis or treatment.

A program of clinics is arranged which will utilize to the best advantage the facilities of the institution. Special opportunities will be given those who desire to confine themselves to particular work, so far as the clinical facilities of the school will allow. A post-graduate certificate is awarded to those who successfully complete the work of one of the courses outlined.

The second class of students for which the Summer School is adapted is composed of undergraduates in medicine who wish to secure advanced standing or to remove deficiencies. Courses in the various fundamental subjects will be offered by regular instructors in these departments. These courses are open to practitioners as well as to undergraduates. They may, furthermore, be taken with advantage by public school teachers and others who do not care for credit in medicine, or who contemplate entering on a medical course later.

The third class of students comprise such as lack some of the preliminary college studies, Biology, Chemistry, Physics and German.

For Bulletin of Information, address,

Director of the Summer School,

1402 S. Grand Ave., St. Louis, Mo.





# School of Dentistry

## School of Dentistry

### Officers

REV. WILLIAM F. ROBISON, S. J., Ph.D.,  
President.

JAMES P. HARPER, D. D. S.,  
Dean.

CHARLES H. CLOUD, S. J., A. M.,  
Regent.

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CHARLES H. CLOUD, S. J., A. M.,  
HANAU W. LOEB, A. M., M. D.  
DON R. JOSEPH, M. S., M. D.

## Introductory Statement

### Location

The College Buildings are located on Compton Hill, Grand avenue and Caroline street, the highest point in St. Louis. From the College all portions of the city are readily reached by means of electric car lines passing the College or its immediate vicinity.

The situation of the College is favorable for securing desirable clinical patronage. This is an advantage of importance to a dental college. The Infirmary is daily visited by patients from all parts of the city and its environs.

### College Buildings

The College Building has been carefully arranged to meet all the demands of structures devoted to similar educational purposes. Full equipment for teaching, such as models, microscopes, lantern slides, etc., has been provided.

The Technic Laboratories which occupy almost the whole of the first floor, are divided into separate sections, one for each class. In these departments modern appliances for the most approved work have been installed, such as porcelain furnaces, etc., lathes, electric connections and devices of various kinds.

Two rooms on the second floor are set apart for the extraction of teeth and the taking of impressions and are provided with the latest equipment for this class of work.

The lecture rooms and chemical, histological and pathological laboratories are equipped with modern appliances and are conveniently located for the use of the students.

### Library

The students' library contains all the latest text-books, books of reference and journals pertaining to both dental and medical subjects. A librarian has charge of the library, which is open to the students at all hours of the day.



## Outline of Course

The course of instruction covers four years, comprising didactic lectures, clinical lectures, laboratory work, practical clinical work in operative and prosthetic dentistry; stereopticon displays from drawings, photographs and microscopical slides; written reviews, recitations, written and oral examinations and quizzes.

### **Anatomy—Dental**

The course in Dental Anatomy includes a careful study of the surfaces, ridges, fossae, grooves, etc., of the individual teeth of both the deciduous and permanent sets; their origin, formation, calcification, eruption and peculiarities in formation and growth.

Freshman Class: Lectures 4 hours a week.

### **Anatomy—General**

The courses in General Anatomy are designed to give the student a working knowledge of the subject, with special reference to the anatomy of the parts in which the student, and later the practitioner, are most vitally interested.

Sophomore Class: Lectures 2 hours a week; Laboratory, 6 hours a week.

Senior Class: Review Course, one hour a week.

### **Biology**

Invertebrate Zoology: A study of the morphology, physiology, behavior and life history of invertebrate animals. Special attention is given to parasitic protozoa, worms and disease bearing insects. Lectures and recitations, one hour a week; laboratory work, two hours a week, Freshman year, first semester.

Vertebrate Zoology: A study of the comparative anatomy and physiology of vertebrate animals. Attention is also given to problems of broader biological interest. Lectures and recitations, one hour a week; laboratory work, two hours a week, Freshman year, second semester.

### Ceramics

A course of lectures and demonstrations on Dental Ceramics covers the theory and technic of porcelain art as applied to the practice of dentistry. Special attention is given to the preparation of cavities, and the baking of porcelain restorations in the technic course.

Senior Class: Second semester.

### Chemistry

The course consists in a study of the elements, their compounds, characteristics and properties.

Freshman Class: Inorganic, Lectures and Demonstrations, 5 hours a week.

Sophomore Class: Organic, Lectures and Laboratory, 4 hours a week, first semester.

Sophomore Class: Physiological, Lectures and Laboratory, 4 hours a week, second semester.

Senior Class: Organic, 1 hour a week.

### Clinics

The final success of a dentist depends largely upon what he can do himself, and upon the skill and judgment with which he operates upon the patients who present themselves for his services.

Skill and judgment can be acquired only by practice. The clinic is the heart of the dental school, and in proportion to the amount of judgment the student has and the skill he develops in the clinic under the direct supervision of experienced instructors will be the degree of his success when, after graduation, he starts upon the work of his profession.

The St. Louis University School of Dentistry as above stated, is particularly fortunate in this respect, having abundant clinical material at its disposal. During the year May 31, 1919—June 1, 1920, 17,221 patients presented them-

selves at the Dental clinic for treatment. In addition the Dental School maintains six out-clinics in public and private institutions, which are equipped with complete dental outfits, where students from the Dental School on certain days do the needed dental work, as follows:

1. Clinic at Open Air Schools (St. Louis Public Schools).

2. Clinic at St. Philomena's Technical School.

3. Clinic at St. Joseph Orphan Asylum.

4. Clinic at St. Louis City Industrial School.

5. Clinic at Good Shepherd Industrial Home.

6. Clinic at City Work House.

In addition to the above a number of other eleemosynary institutions send their charges to the clinic for dental services. On two days of the week a large part of the clinic is devoted exclusively to indigent public school children work. Under the direction of officers of the Health Department of the public schools of St. Louis hundreds of school children from all part of the city are treated without charge.

All the above work is done by students under proper supervision, special demonstrators being assigned to the various sections.

A weekly test examination in practical dentistry is given to the Senior class to determine the progress made by them in practical infirmary work.

### **English**

A practical course in college English which is intended to give the student the ability to express himself fluently, clearly and effectively.

Freshman Class: 3 hours a week.

### **Exodontia and Anesthesia**

In this course the technic of extraction is systematically presented by illustrations and lectures so that the entire plan of operative procedure for any case may be readily

comprehended. The instrument to be used for each tooth, the method of applying the instrument and extraction movements are fully described and demonstrated. The extraction of teeth in the numerous stages of decay, the different malocclusions and the most frequent form of abnormalities are methodically treated. The extraction of impacted teeth, especially the inferior third molar, is thoroughly demonstrated. The important subject of After Treatment, with special reference to pain and hemorrhage, is carefully considered. The pathologic conditions of tissue and practical methods of diagnosis are critically analyzed. In addition to this, a clinical course is given so that the student may have a practical knowledge of this important subject.

Throughout this course, the Roentgenological Department is brought into use for diagnostic and demonstration purposes.

The course of Anesthesia is in the hands of an expert anesthetist who treats the subject of both local and general anesthesia, giving, in addition, practical demonstrations.

Senior Class: Anaesthesia, 1 hour a week. Exodontia, 1 hour a week, second semester.

### Histology

The course in microscopic anatomy covers the structure of the various body tissues, special emphasis being laid upon the structure of the teeth and of the surrounding tissues. In this course are also considered the elements of embryology, with particular reference to the development of the teeth.

Each student is provided with a compound microscope and a series of mounted sections of the tissues as they are studied.

Freshman Class: 5 hours a week, first semester; 4 hours a week, second semester.



### **Jurisprudence, History, Economics and Ethics**

The legal responsibility of dental practitioners and also the relations of the public to the dentist are clearly explained by the lecturer in this course.

Senior Class: 1 hour a week.

### **Materia Medica and Therapeutics**

In this course special stress is laid upon the physiological actions and rational uses of drugs peculiar to dental practice. Such subjects as weights and measures, the preparation of percentage solutions, prescription writing, methods of administration, and the more important poisons and their antidotes are also considered.

Sophomore Class: 2 hours a week.

Senior Class: Review Course, 1 hour a week.

### **Metallurgy**

Instruction in this subject includes the nature and physical properties of metals, especially those used in dentistry; the manipulation of metals, annealing and tempering; the manufacture of alloys, dental amalgams and solders.

The laboratory is complete with furnace, fume chamber and all apparatus necessary to make the course thoroughly practical.

Sophomore Class: 2 hours a week.

### **Operative Technic**

This course is designed to give the student a thorough training in the preparation of cavities in bone teeth, manipulation of the various filling materials and familiarity with the names and uses of the various instruments used in operating. Entire Freshman year and first semester of Sophomore year.

Freshman Class: 6 hours a week.

Sophomore Class: 7 hours a week, first semester.

### Operative Dentistry

To restore teeth which have become diseased to normal or functional condition, is the ideal of operative dentistry.

The course in Operative Dentistry includes operative technic and clinical practice throughout the entire course.

To facilitate the training of the student in the recognition and accomplishment of the ideals of dental art, instruction in the detail of all operations upon the teeth is given in the technical laboratory, clinic, and by lectures.

The aim of the course is to bring out all that is eminently practical. It includes instruction on the preparation of cavities, filling with all materials commonly used, such as gold, amalgam, tin and cement; also with gold and porcelain inlays; the theories taught are amply demonstrated in the clinic and cover all that has been proven valuable by practical experience.

Sophomore Class: 1 hour a week.

Senior Class: 1 hour a week.

### Oral Surgery and Hygiene

Since Dentistry is a branch of Surgery, students must be taught the practical application of surgical principles to the major lesions of the mouth. This is the subject-matter of this course. Students are instructed in, and made to carry out, the detail necessary for surgical treatment. Members of the Senior class are permitted to assist in the operative work of major character and even to perform such operations as it is deemed proper for them to undertake. A clinic in oral surgery is utilized for instruction.

Special attention is given to pyorrhea alveolaris and its treatment; students are given the opportunity of studying and practicing the latest methods for the relief of this condition.

The course in Hygiene gives careful consideration to the subject of the mouth, its care, etc., prophylaxis, the predisposing factors of disease, the principles on which im-

munity depends, the relation of ventilation, water supply, food, etc., to the public health, climatology, heredity and vital statistics.

Junior Class: 2 hours a week.

Senior Class: 2 hours a week.

### **Orthodontia**

By using the mechanical denture, the laboratory course in Orthodontia is made extremely practical to the student, the various deformities found in the human mouth are reproduced, appliances for moving the teeth are adjusted and the teeth moved into alignment; finally, retaining appliances are made and adjusted on the teeth. These models are the student's property and used by him for study and reference when treating the numerous practical cases which are constantly occurring in the clinic.

Junior Class: 1 hour a week.

Senior Class: 2 hours a week.

### **Osteology**

Freshman Class: 2 hours a week, second semester.

### **Pathology and Bacteriology**

In addition to the fundamentals of Bacteriology, methods of cultivation and identification of bacteria, sterilizations, etc., the more important organisms and the diseases which they cause are studied systematically. The bacteria of the mouth and throat receive special attention.

Sophomore Class: 4 hours a week.

Pathology is taught in the Junior year. In this course are studied the more important lesions which may occur in tissues. The special dental diseases are taken up in the course in Dental Pathology.

Junior Class: 4 hours a week.

Senior Class: Review Course, 1 hour a week.

Lectures in Dental Pathology embrace a consideration of all the diseases of the oral cavity, bearing on dentistry. Special attention is given to all diseases of the dental pulp and pericemental membrane, from simple inflammation to alveolar abscess.

Freshman Class: 1 hour a week, second semester.

Sophomore Class: 2 hours a week, first semester; 1 hour a week, second semester.

### **Physics**

A lecture course in mechanics, heat, and electricity. Those portions of physics that are of most interest to the dental student, such as the theory of X-ray, are given special attention.

Freshman Class: Lectures 2 hours a week; Laboratory, 2 hours a week.

### **Physiology**

This course aims to give the student a general knowledge of the normal activities of the human body. Emphasis is laid on the nervous system, muscular tissues, circulation, respiration, digestion and excretion.

Junior Class: 5 hours a week, first semester; 4 hours a week, second semester.

### **Prosthetic Technic**

Embraces in detail the construction of the various forms of artificial dentures and appliances used in modern dentistry.

In these several courses it is the aim to teach not only the more mechanical processes, but also that combination of art with mechanism which enables the practitioner to effect so much in restoring the symmetry of the face and usefulness of the teeth, when they have been lost or impaired by accident or disease.

Freshman Class: 4 hours a week.

Sophomore Class: 4 hours a week.

Junior Class: 4 hours a week.

Senior Class: 3 hours a week.



### **Prosthetics: Crown and Bridge Work**

In the lectures of this course particular stress is laid upon the harmonious relations existing between mandibular movements (three-point contact), articulation and tooth arrangement. During the entire four years of the Dental Course special practical instruction is given in tooth selection and in the arrangement and restoration of harmonious conditions.

All varieties of crowns and bridges are studied with their indications and contra-indications; the preparation of teeth and construction of parts to correspond to the organs lost.

Freshman Class: 3 hours a week.

Sophomore Class: 3 hours a week.

Junior Class: 3 hours a week.

Senior Class: 2 hours a week.

### **Roentgenology**

Roentgenology has become so valuable an adjunct to the practice of dentistry that no course can be considered adequate that does not provide the student with the necessary instruction to familiarize him with the interpretation of dental Roentgenograms and with the nature of X-rays and the technique required for their use.

Recognizing this necessity, the University has installed a Roentgenological laboratory, with a complete equipment where the clinic work can be radiographed, giving valuable training to the students and insuring the best results to the patients.

Senior Class: Lectures and demonstrations 1 hour a week.

### **Technical Drawing**

A course in elementary mechanical drawing that is intended to inculcate habits of neatness and precision.

The course will consist in practice in the use of drawing instruments, the production of simple working drawings, and of dental charts.

Sophomore Class: 3 hours a week, 1 semester.

### **Requirements for Admission**

These are the same as are outlined by the Dental Educational Council of America, for Class "A" Dental Schools.

"The requirements for entrance shall consist of graduation from an accredited high school or academy which requires for graduation not less than fifteen units of high school work obtained in a four years' course beyond the eighth grade of the elementary school. No conditions on the foregoing entrance requirement shall be allowed.

An accredited high school is defined as one which is accredited as a four-year high school by the United States Bureau of Education, or by a University which is a member of the Association of American Universities, or by the State University of the State in which the high school is located.

In the case of an applicant who is not a graduate from a high school or academy, as defined above, the full equivalent of such education in each individual case must be established, and attested to by the highest public educational officer of the state in which is located the dental school which the applicant seeks to enter."

### **Requirements for Graduation**

The candidate for graduation must be of legal age and of good moral character; must present to the faculty the required clinical record of practical operation on the natural teeth, must sustain a satisfactory examination in the branches taught and must prove his fitness for the practice of dentistry.

His time of study must include attendance on four courses of lectures, the last of which must be at this Institution.

His deportment during the course must have been unexceptional, and attendance upon all lectures, clinic and other instruction in the course must have been in accord with the requirements of the school.

Attendance on any course of lectures in other recognized dental colleges having similar requirements will be accepted as equivalent to a corresponding course in this school. Graduates of medical colleges will be required to attend three full years of instruction in this school, including all laboratory and clinical requirements, and all lectures, before applying for graduation.

Having complied with the above requirements, the faculty will recommend the candidate to the Board of Trustees of the University as entitled to receive the degree of Doctor of Dental Surgery.

### **Dental Instruments**

Each student is required to procure certain instruments with which to do the necessary work. A list of the proper instruments will be furnished by the Dean upon application, but no instruments should be purchased until this list is secured.

### Tuition Fees

#### Freshman Year—1920

Matriculation, payable before October 2nd.....	\$ 5.00
Deposit Fee, payable October 2nd.....	10.00
Tuition, 1st semester, payable October 2nd.....	100.00
Tuition, 2nd semester, payable February 1st.....	100.00
Total fees first year.....	\$215.00

#### Sophomore Year

Deposit Fee, payable October 2nd.....	\$10.00
Tuition, 1st semester, payable February 1st.....	80.00
Tuition, 2nd semester, payable February 1st.....	80.00
Total fees second year.....	\$170.00

#### Junior Year

Deposit Fee, payable October 2nd.....	\$10.00
Tuition, 1st semester, payable October 2nd.....	80.00
Tuition, 2nd semester, payable February 1st.....	80.00
Total fees third year.....	\$170.00

#### Senior Year

Deposit Fee, payable October 2nd.....	\$10.00
Tuition, 1st semester, payable October 2nd.....	80.00
Tuition, 2nd semester, payable February 1st.....	80.00
Total fees fourth year.....	\$170.00

*Students are not admitted to classes until all fees for the current semester are paid. No exception will be made to this rule.*

The matriculation fee is paid but once, when the student enters the school. The deposit fee is paid annually by all students and covers damage done to any college property and college supplies used. The amount of this fee, less the actual cost of property damaged and supplies used, will be returned to the individual student at the end of the session. Insurance and locker charges may be paid out of deposit fee. No other fees are charged.

According to the regulations of the school, no tuition fees are returnable. Should the student discontinue his studies, any fee or fees paid will hold good for a subsequent course, but they are not transferable.





**Institute of Law**

## Institute of Law

### Officers

REV. WILLIAM F. ROBISON, S. J., A. M., Ph.D.,  
President of the University.

PAUL BAKEWELL, LL. D.,  
Dean.

REV. MATTHEW McMENAMY, S. J., A. M.,  
Regent.

ALPHONSE G. EBERLE, A. B., LL. B.,  
Secretary.

## Introductory Statement

A special announcement giving detailed information of this department is published annually. For copies of such announcement or for other information relating to the department of law, address the Registrar, St. Louis University Institute of Law, 3642 Lindell Boulevard, St. Louis, Mo.

## History

### Course of Instruction

The complete course of studies in this school (1) prepares the student for the Bar, by giving him a thorough instruction in legal reasoning and in the general principles and rules of American Law; (2) prepares the student to practice law in any English-speaking jurisdiction; (3) offers to advanced students instruction in all that belongs to law in its scientific and wider sense; (4) extends to students who do not propose to practice law, but who wish to pursue some particular branches of legal or political knowledge, any assistance they may require for these studies. These four and distinct phases of instruction are known as the Degree Course, the Graduate Course and the Special Course.

The Undergraduate or Degree Course covers a period of three years in the Day School and four years in the Night School, and leads to the degree of LL. B. It embraces all the branches scheduled, with reasonable provision for advanced standing in the case of students who have completed elsewhere the work of the earlier years.

The Graduate Course, leading to the degree of LL. M., may be entered upon by students who have received the degree of LL. B. from this or some other approved school of law.

The Special Course will depend largely upon the option of the student, the opinion of the Faculty in each particular



case, and always upon the ruling of the Dean. But the course once chosen must be pursued and completed with the same thoroughness as is required in the regular courses.

### **Two Schools of Instruction**

The course of instruction is carried out in two schools, viz.: a Day School and a Night School. The circumstances of a great body of desirable law students have made the Night School of Law a necessity, at least in this country and at this time. These young men are forced to work during the day, and cannot take advantage of the lectures then given. On the other hand, experience has established the fact that in this class of aspirants we often find the brightest legal talent. Some of the ablest lawyers and judges in the country have received their legal education in night schools.

Nor does the fact that the school is held in the evening detract in any way from the efficiency of the course. The same studies are pursued. The same advantages of library consultation and practice court exist. The same ability in professors is as available in the evening as during the day, and the hours of class are substantially equivalent in number and duration.

The Day School opens every morning except Saturdays, Sundays and legal holidays, at 8:30 o'clock, and continues until 11 o'clock. In the afternoon classes are resumed at 3:30 o'clock and continue until 6 p. m. The Night School opens every Monday, Wednesday, Friday and Saturday evening at 7:30 o'clock, and closes at 9:30 p. m., the intervening evenings being allowed for study and lectures.

### **System of Instruction**

There are three distinct systems of instruction employed in the law schools of the United States, viz., the Lecture system, the Text system, and the Case system.

The Lecture system aims at imparting knowledge by a series of set daily lectures and is followed by recitations consisting of a series of questions or quizzes meant to elicit the student's grasp of the subject and improve his expression. The Text system contemplates the daily study of assigned portions of chosen text-books and recitations upon the same in the class-room, amplified by such explanations or lectures by the instructor as may be deemed necessary and a repetition of the portion so explained. The Case system teaches the law by the study of adjudicated cases. According to this method, the student is given a selected case which he is required to examine in search of the principles on which the case was originally decided, and is required to collate the essential facts, and the rules of law applied thereto, in a summary which gives an exact statement of the law involved in the case of the process of legal reasoning.

These systems have their advantages and their drawbacks. Thus the Lecture system is credited with affording the student a connected, systematic and doctrinal knowledge of the law. It supplies the want of proper manuals, or renders the student independent of all manuals. It is suited to the constant, rapid, and changing advance of legal science, and saves time and money for the student. On the other hand it ignores and eliminates the mental discipline of the student; cultivates his memory at the sacrifice of his understanding and is adapted to courses of less importance and courses that are more specialized.

The Text system, it is claimed, gives more definite and permanent impressions of the principles and rules of legal science through the study of standard text-books, the careful analysis of leading cases, followed by the explanation and examinations of the recitation room. But then, again, it is asserted that this system stunts the mental growth of the lawyer. It cultivates his memory, not his legal talent, and is suited for less difficult branches.

The Case system, it is said, is better suited to develop the analytic faculties of the mind, at the same time that the memory is stored with legal principles. It is the nearest approach to the work of the practicing lawyer, who examines adjudicated cases in search of the principle of law applicable to the case in question. Yet it is objected, that the system is so slow that, where it is followed exclusively, the average student graduates without having learned even the most elementary branches of the law, simply for the lack of time to do the work.

Believing, therefore, that each system has its advantages, the St. Louis University Institute of Law does not commit itself to any one system to the exclusion of the other. It will employ, or at least countenance the employment by its professors of all these various systems. The three systems will, it is believed, give more satisfactory results, under the present conditions of law schools in the United States. We believe that the student, generally speaking, will get from the mixed system as much if not more than he would from an exclusive system. He will learn all that he would learn in an ordinary Case system school. Over and above this he will possess a systematic knowledge and a familiarity with branches of the law of which he would have been profoundly ignorant under the Case system alone. On the other hand, he will, in our mixed system, acquire a mental discipline which the Lecture and Text-book system would not impart. In a word, in our mixed system, the student will have the depth of the Case system and the breadth and definiteness of the Lecture and Text-book system.

### **Entrance Requirements**

#### **A. For Freshman Year—Without Examination**

1. Graduates from Colleges and Universities composing the Missouri College Union.

2. Graduates from all other Colleges and Universities of like grade and standing.

3. Graduates from Normal Schools, Technical institutes and Scientific schools of Collegiate standing.

4. Graduates from four-year high schools of recognized grade.

5. Special students who have removed their entrance conditions.

6. Students who have had a preliminary education equivalent to a four-year high school course of approved grade.

#### **B. For Freshman Year—With Examination**

All other applicants for the first year of law who cannot qualify under one of the above conditions must pass an examination in English Grammar, Rhetoric, Composition and Literature; in Latin version and translation from Nepos, Caesar, Virgil, or Cicero's essays; in readings from the German, French, Italian or Spanish; in ancient and modern history, and in the history of England and the United States; in Algebra, Plane Trigonometry; in Physics, Botany, Chemistry and Geography.

Applicants who are required to take an entrance examination should present themselves for examination on Monday, September 3, at 10 a. m., at the University.

If a student is admitted with conditions in entrance subjects, he must remove such conditions a year from the time when they were imposed.

Unless the applicant come from another Law school, he will not be admitted to the first year class after the second week in November.

All students are urged to enter at the beginning of the year.

The examinations for the first year of law are conducted at the same time and by the same members of the



Faculty as the examination of candidates for admission to the College of Letters and Science.

Those intending to apply for examination to the first year of law should notify the Registrar of the Institute before the opening of classes, and also apply for directions, as examinations cannot be taken later.

**C. For Advanced Students—For the Junior Year of Law**

a. **EDUCATIONAL REQUIREMENTS.** The applicant must be at least nineteen years of age, and have fulfilled all the requirements specified for admission to the first year of Law, or give proof of a satisfactory grade of scholarship. Examinations, however, in any other subjects required by the Faculty for admission to the Junior year may be demanded.

b. **PREVIOUS LEGAL ACQUIREMENTS.** Admission to the Second Year of Law will be granted to those applicants—

1. Who have passed satisfactory examinations in all the prescribed courses of study of the First Year.

2. Who have studied one or more years in a Law School of the Association of American Law Schools, or in one of their substantial equivalents; (Students thus admitted, however, must pass examinations in courses previously pursued in the class and which they have not taken before or at the close of the year, as the Dean will decide in each case.)

3. Who have, actually in good faith, and as their principal occupation, pursued for a period of fifteen months, in the office or under the guidance of some reputable practitioner or instructor, a course of study fairly equivalent to that pursued in the First Year, and who present to the Dean the affidavit of such practitioner or instructor showing with particularity that this requirement has been met.

**D. For Advanced Students—For the Senior Year of Law**

Students from other Law Schools of high grade will receive credit, not, however, exceeding two years in amount, for the satisfactory completion of work done in these schools similar in character to that required in this school.

**E. For Special Students**

Special students are those applicants for entrance to the regular course who have not the prescribed preliminary requirements for the degree, or those who do not desire to pursue regular work.

The following persons will be admitted to this school as special students:

1. Holders of academic degrees in Arts, Literature, Philosophy and Science.

2. Persons whose previous education qualifies them to pursue the studies in which they wish to specialize.

3. Special courses will be selected under the guidance of the Dean and must be pursued with the same thoroughness as in the regular course. No applicant under twenty-one years of age will be permitted to specialize in this school.

4. Special students will receive a certificate for all work done.

5. Special students may enter at any time as candidates for a degree, provided they have met the entrance requirements for regular students.

6. A certificate will be issued to all students completing the regular course of study who have not the prescribed preliminary requirements for the degree.

**Practice Court**

The Practice Court is essential to an efficient course in law. Students, as a rule, go directly from the law school into practice, without serving a preliminary clerkship in a

law office. This has made it necessary for the Institute to provide the instruction in pleading and practice which formerly the student obtained during his law-office apprenticeship. The practice courts furnish the student with as thorough a knowledge, and give him as great a familiarity with the actual practice of law, as can be obtained in a law office. It is not, therefore, merely a moot court, or forum for the argument of disputed questions of law; it is a training school in which the student is systematically put through the routine of office work, court proceedings and the practical duties of professional life.

In addition, therefore, to the courses in procedure in which instruction is given in the principles and general rules of practice in state and federal courts, the Institute maintains an organized Practice Court, which is divided into a Circuit Court and a Supreme Court, with a full corps of officers.

The Circuit Court hold four sessions monthly, on Saturday. At certain sessions, motions, demurrers, pleas, and all proceedings of an interlocutory or preliminary nature, and which in actual practice precede the hearing of the case, are disposed of. At the other sessions of the court cases are tried, or such proceedings are had as are usual at the final hearing of cases in trial courts. Juries are drawn and impaneled, evidence introduced, instructions given, verdicts and judgments are rendered as in the regularly established courts of the country. Appeals and writs of error are prosecuted in due course to the Supreme Court, where briefs are filed and arguments made as in the best conducted Appellate practice. The students issue, serve and return regular process, prepare and file the proper pleadings, conduct the trial, and make the legal argument. In this way they are given practical experience in the commencement of suits, the preparation of pleading, the argument of lawyers, the trial of the case, the entry of judgment, the taking out of execution, and the appealing of the case to the court of last resort.

The Freshmen will act as process servers, witnesses and jurors in this court and assist in preparation of causes. The conduct of the trial is in rotation assigned to the Juniors and Seniors. Professors experienced in judicial work will regularly preside or be present.

The Supreme Court, to which cases may be appealed or taken by writ of error from the Circuit Court, sits monthly, or oftener, as the work before it may require. This court is presided over by a member of the Faculty and two or four members of the Junior or Senior class. Written briefs are required to be prepared, served properly, and submitted to the court. Written opinions containing a full discussion of the legal question presented are required to be handed down by the student justices. Neatness, accuracy and lawyer-like method of expression will be insisted upon in the composition of these opinions, in the writing of briefs, and the execution of all other work before the Practice Court.

Each student will be required during the Junior year to try at least one case in the inferior court, and to take it by appeal to the superior court. In the third year each student will be required to take part in at least two causes, one at law and the other in equity, in the circuit court, and, on appeal, in the supreme court.



## Outline of Courses

The course of studies is arranged for four years for the Night school and for three years for the Day school and a Post-Graduate Course of one year, given as a night course. The Day school course is so distributed as to require a minimum of fourteen hours of actual recitations, lectures, and practice court work per week. In the Night school the minimum number of hours assigned to the same work will be eight hours each week, from each class.

In addition to the courses indicated in the schedule of studies, provision will be made each year for courses of lectures, and for single lectures by eminent specialists in the profession.

The course of studies will always be subject to revision and change. For it will always remain in the power of the Faculty to raise or lower the fees for tuition, to modify the curriculum, or to otherwise adjust matters pertaining to the conduct of the school as in its wisdom it will judge to be for the best interests of the Institute.

# THE DAY SCHOOL—FRESHMAN YEAR.

Courses	Text, Case-Book, Author, or Method	Hours per week	Semester	Class Days	Hours of Class		Professor, Lecturer, Instructor
					A. M.	P. M.	
Bailments and Carriers Agency	Elliott	1 hr.	II	Friday	.....	4:00-5:00	Professor Boisaubin
	Mechem; Mechem's Cases	1 hr.	I, II	Tuesday	9:30-10:30	.....	Professor Eberle
Contracts	Lawson; Cases	2 hrs.	I, II	Monday Wednesday	9:30-10:30	.....	Professor Eberle
Criminal Law and Pleading	Clarck and Marshall Knowlton's Cases	1 hr.	I, II	Monday	.....	5:00-6:00	Professor Bishop
Torts	Cooley on Torts (Student's edit.); Burdick's Cases.	2 hrs.	I, II	Mon. and Thurs.	8:30-9:30	.....	Professor English
Common L. Plead.	Andrews, Stephen's Common Law Pleading; Shipp and Daish's Cases	2 hrs.	II	Wednesday Friday	8:30-9:30	.....	Professor Rooks
Sales	Burdick, F. M. (3d edit.)	2 hrs.	I	Tues. and Fri.	8:30-9:30	5:00-6:00	Professor Neumann
Elementary Law	Robinson's Elementary Law (New Enlarged Edition)	1 hr.	I	Tuesday Wednesday	8:30-9:30	.....	Professor Eberle
Public Speaking	Childs	1 hr.	I, II	Tuesday	.....	3:30-4:30	Professor Muntsch
Personal Property	Coppens	1 hr.	II	Friday	.....	5:00-6:00	Professor Schiek
Ethics and Nat. L.		1 hr.	I	Thursday	.....	9:30-10:30	Professor Wallace
Legal Bibliography	Lectures	1 hr.	II	Monday	.....	3:30-4:30	.....
Practice Court		2 hrs.	I, II	Saturday	.....	7:30	Professor Dolan

# THE DAY SCHOOL—JUNIOR YEAR.

Courses	Text, Case-Book, Author, or Method	Hours per week	Semester	Class Days	Hours of Class		Professor, Lecturer, Instructor
					A. M.	P. M.	
Bills and Notes	Ogden	1 hr.	I, II	Thursday	.....	5.00-6:00	Professor Mulvihill
Evidence	Jones on Evidence; Wigmore's Cases	2 hrs.	I, II	Tues. and Thurs.	8:30-9:30	.....	Professor Robbins
Property	Real Property; Tiffany	2 hrs.	I, II	Mon. and Thurs.	9:30-10:30	.....	Professor Robbins
Domestic Relat's.	Long	1 hr.	I, II	Tuesday	9:30-10:30	.....	Professor Dolan
Partnership	Mechem	1 hr.	I	Friday	9:30-10:30	.....	Professor Eberle
Quasi-Contracts	Woodward	1 hr.	II	Friday	9:30-10:30	.....	Professor Eberle
Code Pleading	Phillips	1 hr.	I, II	Friday	8:30-9:30	.....	Professor Pearcy
Damages	Bauer	1 hr.	II	Tuesday	.....	3:30-4:30	Professor Tompkins
Equity Jurisdic.	Pomeroy's Equity Jurisdict. (Stu. Edit.); Hutchin's and Bunker's Cases	2 hrs.	I, II	Mon. and Wed.	8:30-9:30	.....	Professor Barth
Bankruptcy	Bankruptcy Act and Williston's Cases	1 hr.	II	Friday	.....	5:00-6:00	Professor Kane
Corporations	Clark (Third Edition)	2 hrs.	I, II	Mon. and Wed.	.....	5:00-6:00	Professor English
Practice Court	.....	2 hrs.	I, II	Saturday	.....	7:30	Professor Dolan

# THE DAY SCHOOL—SENIOR YEAR.

Courses	Text, Case-Book, Author, or Method	Hours per week	Semester	Class Days	Hours of Class		Professor, Lecturer, Instructor
					A. M.	P. M.	
International Law	Hershey's Essentials of Int. Law	1 hr.	I	Tuesday	8:30-9:30		Professor Edmunds
Conflict of Laws	Minor	1 hr.	I, II	Monday	8:30-9:30		Professor Robbins
Constitutional L.	Black; Boyd's Cases	1 hr.	I, II	Friday		5:00-6:00	Professor Thomason
Municipal Corporations	Ingersoll	1 hr.	II	Wednesday	8:30-9:30		Professor English
Suretyship	Childs	1 hr.	I, II	Thursday	9:30-10:30		Professor Eberle
Civil Procedure	Abbott's Civil Jury Trials	1 hr.	I, II	Friday	8:30-9:30		Professor Grimm
Wills, Administration and Est.	Woerner's Law of Decedents' Estates	1 hr.	I, II	Tuesday		4:00-5:00	Professor Conran
Insurance	Vance	1 hr.	I	Monday		5:00-6:00	Professor Eberle
Trusts	Kennison, Cases	1 hr.	I, II	Wednesday	9:30-10:30		Professor Dyer
*Patent Law	Lectures	1 hr.	I	Wednesday		5:00-6:00	Professor Bakewell
Federal Proceed.	Rabbitt's Thayer (2nd Edit.)	1 hr.	II	Thursday	8:30-9:30		Professor Haid
*Legal Ethics	Warvelle's Legal Ethics; Lectures	1 hr.	II	Tuesday	9:30-10:30		Professor Robbins
Extraord. Legal Remedies	Cases	1 hr.	I	Thursday	8:30-9:30		Professor Jones
Public Service Corporations	Burdick, Cases	1 hr.	I	Wednesday	8:30-9:30		Professor English
Amer. Advocacy	Robbins	1 hr.	II	Tuesday	9:30-10:30		Professor Robbins
Practice Court		2 hrs.	I, II	Saturday		7:30	Professor Dolan

\* Occasional Lectures.



# POST-GRADUATE YEAR

Courses	Text, Case-Book, Author, or Method	Hours per week	Semester	Class Days	Hours of Class P. M.	Professor, Lecturer, Instructor
Civil Practice	Lectures	1 hr.	I	Wednesday	7:30-8:30	Professor Barth
Legal Sociology	Lectures	1 hr.	I, II	Friday	7:30-8:30	Professor Muntsch
Roman Law	Sherman	1 hr.	I	Friday	8:30-9:30	Professor Lilly
English Constitutional Law	Bowyers' Constit. Law of England	1 hr.	I	Wednesday	8:30-9:30	Professor Dolan
Legal Medicine	Stewart	1 hr.	II	Friday	8:30-9:30	Professor Neumann
Corporations	Missouri Practice	1 hr.	II	Wednesday	7:30-8:30	Professor English
Probate Practice	Missouri Practice	1 hr.	II	Wednesday	7:30-8:30	Professor Eberle

**PROGRAM**  
**OF**  
**FOUR-YEAR NIGHT SCHOOL**  
**SEPTEMBER, 1920-21.**

# THE FOUR YEAR NIGHT SCHOOL—FRESHMAN YEAR.

Courses	Text, Case-Book, Author or Method	Hours per week	Semes- ter	Class Day	Class Hour	Professor
Elementary Law	Robinson (New Enlarged Edition)	1 hr.	I	Monday	7:30-8:30	Professor Eberle
Torts	Cooley on Torts (Student's Edition)	1 hr.	I, II	Monday	8:30-9:30	Professor English
Criminal Law and Procedure	Clark and Marshall; Knowlton's Cases	1 hr.	I, II	Wednesday	8:30-9:30	Professor Bishop
Agency	Mechem; Mechem's Cases	1 hr.	I, II	Wednesday	7:30-8:30	Professor Dolan
Domes. Relations	Long	1 hr.	I	Friday	7:30-8:30	Professor Dolan
Contracts	Lawson; Cases	1 hr.	I, II	Friday	8:30-9:30	Professor Eberle
Bailments	Elliott	1 hr.	II	Friday	7:30-8:30	Professor Dolan
Personal Property	Childs	1 hr.	II	Monday	7:30-8:30	Professor Fabick
Practice Court		2 hrs.	I, II	Saturday	7:30	Professor Dolan

# THE FOUR YEAR NIGHT SCHOOL—SOPHOMORE YEAR.

Courses	Text, Case-Book, Author or Method	Hours per week	Semester	Class Day	Class Hour	Professor
Common L. Plead.	McKelvey	1 hr.	I, II	Monday	7:30-8:30	Professor English
Real Property	Tiffany on Real Property	2 hrs.	I, II	Monday	8:30-9:30	Professor Robbins
Legal Bibliography	Lectures	1 hr.	II	Wednesday Friday	8:30-9:30	.....
Sales	Burdick	1 hr.	I, II	Friday	7:30-8:30	Professor Neumann
Bills and Notes	Ogden	1 hr.	I, II	Wednesday	8:30-9:30	Professor Mulvihill
Damages	Bauer	1 hr.	I	Friday	8:30-9:30	Professor Waechter
Practice Court		2 hrs.	I, II	Saturday	7:30	Professor Dolan



# THE FOUR YEAR NIGHT SCHOOL—JUNIOR YEAR.

Courses	Text, Case-Book, Author or Method	Hours per week	Semester	Class Day	Class Hour	Professor
Quasi-Contracts	Woodward	1 hr.	II	Wednesday	7:30-8:30	Professor Lashly
Equity	Pomeroy's Equity (Student's Edition)	2 hrs.	I, II	Monday Wednesday	7:30-8:30 8:30-9:30	Professor Barth
Code Pleading	Phillips on Code Pleading	1 hr.	I, II	Friday	7:30-8:30	Professor Pearcy
Evidence	Jones on Evidence; Wigmore's Cases	1 hr.	I, II	Friday	8:30-9:30	Professor Claiborne
Partnership	Mechem's Elements and Cases	1 hr.	I	Wednesday	7:30-8:30	Professor Eberle
Bankruptcy	Bankruptcy Act	1 hr.	I	Monday	8:30-9:30	Professor Kane
Ext. Legal Rem.	Lectures	1 hr.	II	Monday	8:30-9:30	Professor Barth
Practice Court		2 hrs.	I, II	Saturday	7:30	Professor Dolan

# THE FOUR YEAR NIGHT SCHOOL—SENIOR YEAR.

Courses	Text, Case-Book, Author or Method	Hours per week	Semester	Class Day	Class Hour	Professor
Constitutional L.	Black; Boyd's Cases	1 hr.	I, II	Friday	7:30-8:30	Professor McDonald
Suretyship	Childs	1 hr.	I	Monday	8:30-9:30	Professor Barth
Wills and Administrations Corporations	Woerner's Law of Decedents' Estates Clark (Third Edition)	1 hr.	I	Wednesday	8:30-9:30	Professor Cannon
Conflict of Laws	Minor	1 hr.	I, II	Wednesday	7:30-8:30	Professor English
Advocacy and Legal Ethics	Robbins' American Advocacy—Lectures	1 hr.	II	Monday	7:30-8:30	Professor Robbins
Fed. Procedure	Thayer (Second Edition)	1 hr.	II	Friday	8:30-9:30	Professor Robbins
Insurance	Vance	1 hr.	I	Wednesday	7:30-8:30	Professor Barth
Practice Court		2 hrs.	I, II	Friday	8:30-9:30	Professor Chapman
				Saturday	7:30	Professor Dolan

### Examinations

1. All examinations are to be submitted in writing.
2. The members of all classes will be given examinations on all subjects in their respective years, at the conclusion of each subject.
3. Besides the prescribed studies of the regular courses, students will also be given examinations in (1) elective courses, (2) in optional studies, if any were prescribed.
4. All students, unless excused by the Dean, must present themselves for examination in all the subjects for which they are registered, at the first examination held therein; and in case of excuse from any examination, such students must take the examination when the reason for the excuse has ceased.
5. No student will be permitted to take an examination in a subject for which he is not registered, and no special examinations will be given except by permission of the Dean.
6. No student will be admitted to the second or third year if he has any conditions against him, and no student will be permitted to graduate until he has removed all his conditions.
7. If a student of the first or second year class fail in one examination he will be granted a second examination, provided he present himself for such an examination before the beginning of the following term. If he fail in such second examination he will be allowed to repeat the course on that subject and thereafter take one more examination, and if he fail in such third examination he shall be required to withdraw from the school.

If any student fail in three or more subjects he shall be required to repeat the course of studies for that year in full.

If a candidate for graduation fail in any examination held during the first semester of the last year, he shall be

allowed a second examination, provided he make application for re-examination to the Dean within three months after the date of such failure, and if he fail in such second examination he shall be permitted to repeat the course in the following year.

If a candidate for graduation fail in any examination of the second semester, he shall not be permitted to graduate, but shall be allowed to repeat the course in either of the following two years, provided he make application to, and receive permission from the Dean, for such privilege, at least ten days before the opening of the school year, and meets the requirements of the Institute.

8. The Faculty reserves to itself the right to dismiss from the school at any time, or to strike off the list of candidates for the degree, any student whom it may deem unworthy, either on account of his neglect of study, his incapacity for the law, or for any grave defect of conduct or character.

### Thesis

Every candidate for a degree shall be required to write a thesis upon an assigned topic of the law, in conformity with the following regulations:

1. The thesis must present an intelligent comparison and a learned discussion of English and American cases, carefully selected and logically treated, and must not be a mere collection of excerpts from standard treatises.

2. The thesis must be produced from an independent investigation of the selected cases, must manifest originality of thought and treatment, and must represent the unaided work of the student.

3. The thesis must be prefaced by a statement of the position contended for and contain an analytical outline of its contents. It should also contain an alphabetical list of cases cited with reference to the page of the thesis whereon cited. Cases must be cited by name of volume with the date of the decision added.



4. The thesis shall not contain less than 2,000 words, nor more than such number of words as may be determined by the Thesis Committee to be advisable for the proper treatment of the subject selected, the announcement of this maximum to be made at the time of the announcement of the subject. The thesis must be presented to the Registrar not later than April 2 of the year in which the degree is to be granted.

5. The Thesis Committee shall have power to reject any thesis which in the opinion of the committee does not measure up to the proper standard as based upon a percentage of  $66\frac{2}{3}$ , and a failure to attain such percentage shall have the same effect as a failure to pass an examination in any subject in the last semester of the Senior year.

### Prizes

The Institute offers an annual prize of one hundred dollars in gold for the three best theses written under conditions above specified, to be divided as follows: fifty dollars to the first; thirty-five dollars to the second, and fifteen dollars to the third. Competition for these prizes is open to members of the graduating class, under such conditions and regulations as shall be prescribed by the Institute. The subject of the thesis will be announced not later than December 1st, 1921.

Little Brown & Co., law book publishers, offer an annual prize of a set of Anglo-American Legal Essays to the member of the graduating class making the highest general average in his Senior year.

### Work Leading to the Degree of Bachelor of Laws (LL. B.)

#### I. For Regular Students

1. Every candidate for the degree of Bachelor of Laws must give evidence of a satisfactory grade of scholarship, or he must have fulfilled the entrance requirements to the Institute of Law.

2. Every candidate must be of good character, and he must have attained the age of twenty-one years at the time he receives his degree.

3. Every regular student who has made the full course of undergraduate studies, and has performed all the required exercises of the practice court, and has passed his annual examinations with satisfaction, will be admitted to the degree of Bachelor of Laws.

4. Any student who has not complied with the requirements for graduation at the end of his course may apply for his degree any time within two years thereafter, when such requirements have been met.

## II. For Advanced Students

1. Students admitted to advanced standing are entitled to the same privileges as regular students, and graduate on the same conditions as regular students, except as follows:

2. They must be in regular attendance at the school one, two or three years, according to the grade of the class which they entered.

3. Advanced students of the Senior year must present two years' complete work in some approved law school, in order to graduate in one year.

## Requirements for Admission to the Degree of Master of Laws (LL. M.)

For the benefit of those students who wish to pursue their legal studies further than they are able to do in the undergraduate years, a graduate course is offered, leading to the degree of Master of Laws (LL. M.)

The courses of lectures offered in this year of post-graduate work are as follows:

Civil Practice.

Roman Civil Law.

Legal Sociology.

English Constitutional Law.

Legal Medicine.

Corporations, Missouri Practice.

Probate Practice.

Those who enter this course as candidates for the degree must have already received the degree of Bachelor of Laws from this or some other law college having a three-year course of study. Those who spend the entire year in the work prescribed for this course, and pass a satisfactory examination upon the subjects taken, will be entitled to the degree of Master of Laws.

1. Every applicant for the Master's Degree must have obtained his degree of Bachelor of Laws from this Institution or from a law school whose requirements are substantially equivalent.

2. Every candidate for the Master's degree will be required to take all the courses for the fourth year.

3. Every candidate for this degree must pass a satisfactory examination in all the subjects of study prescribed in Graduate Course.

4. Every candidate for the Master's Degree must present a thesis, the subject of which shall be determined by the Dean.

### **Certificate for the Completion of the Special Course**

1. A certificate will be issued to each student in the Special courses after a satisfactory examination on the subjects upon which the candidate has specialized.

2. This certificate will set forth (1) the purpose for which the candidate specialized; (2) the subjects in detail upon which he has specialized; and (3) the degree of success with which he has pursued these studies.

### Tuition and Fees

Matriculation Fee .....	\$ 5
Graduation Fee .....	10
Tuition for Day School, First Semester.....	50
Tuition for Day School, Second Semester.....	50
Tuition for Night School, First Semester.....	50
Tuition for Night School, Second Semester.....	50
Tuition for Post-Graduate Course, First Semester .....	30
Tuition for Post-Graduate Course, Second Semester .....	30

1. Tuition is payable semi-annually, or in monthly installments, but in each case strictly in advance.

2. Examination Fees, money for books, etc., are all payable strictly in advance.

3. Candidates for degrees must pay all bills due from them to the Institute ten days before Commencement.

4. Special students pay the same tuition as regular students of the school they attend.

### Books

The first cost of books needed for the course is approximately as follows:—First year, \$35.00; second year, \$35, and the third and fourth years, \$40.

### Living Expenses for Students

Good board and lodging can be secured near the University at reasonable rates. Students who club together can obtain very satisfactory terms.

Students may apply at the Institute or at the University for information and direction as to desirable board and lodging. For further information apply to the Registrar of the Institute.

### Instruction in Other Departments of the University

Students of Law who are desirous of supplementing their legal education by courses in other departments of the



University may do so, with the permission of the Dean, and under the direction of the Prefect of Studies of the University.

### **The Law Library**

The Law Library contains a large collection of text-books, monographs on law, and case-books, and a choice selection of the present leading legal periodicals.

The body of the library is made up of the U. S. Supreme Court Reports, U. S. C. C. A. Reports, N. Y. Com. Law Reports, N. Y. Chancery Reports, N. Y. Supreme Court Reports, Mass. Supr. Court Reports, N. J. Law Reports, N. J. Equity Reports, Supreme Court Reports of Missouri, Illinois, Kansas, Iowa, Colorado, Texas, Arkansas, Tennessee, Kentucky, Utah, Wisconsin, Texas Civ. App. & Crim. App. Reports, Illinois App. Reports, Mo. App. Reports, N. Y. Ct. App. Reports, L. R. A. Reports and a large collection of decisions and digests of English and American Law, National Reporter System, Century Digest, Annual Digest, Decennial Digest, U. S. Digest, Missouri Digest, Ruling Case Law, various Encyclopedias and Law Dictionaries, U. S. Statutes and Statutes of many of the States.

A number of duplicate copies of all text-books used in the course are on the shelves of the library for the use of students who desire to prepare their studies in the library. A dozen copies of all case-books used in connection with text-books have been provided for the same purpose.

The library is open daily from 8:00 a. m. to 10:00 p. m. during the academic year and during the Christmas and Easter vacations from 9 a. m. to 6 p. m.

Further facilities are afforded the Institute by the courtesy of the Law Library Association of St. Louis. It grants to the students of the Institute the free use of its extensive and delightfully situated library on the top story of the Pierce Building, 4th and Chestnut Streets.

### **Other Library Facilities**

The other library facilities for students who desire to keep up their reading and studies in literature, history and science, are very considerable. The Student's Library is well stocked with excellent and up-to-date works, and circulates among the students. The Young Men's Sodality library is an excellent collection of books and for a fee of \$1 a year circulates among those who are not members of the Sodality. There is a very elegant reading room attached to this library. The University library contains a very large collection of over forty thousand volumes, and is noted for its many rare and valuable works. Besides these general libraries there are special reference libraries in the department of Theology, Medicine and Philosophy.

### **Musical, Literary and Athletic Organizations**

All organizations in the University are open to Students of the Institute. Among these are the University Band, Orchestra and Glee Club organizations, which afford opportunity for those who desire to keep up their music, or to cultivate their taste and talent for music and song.

The Philalethic Society, the oldest debating and literary club in St. Louis, is open to Law students and will afford them rare opportunity for the exercise and development of those faculties and accomplishments so essential to the public speaker and to the lawyer.

### **The Faculty**

The members of the Faculty are all lawyers engaged in the active practice of the law, with the exception of the resident Professors, who devote their time exclusively to instruction in the various classes of the Institute.

This composition of the teaching staff gives the Institute less of an academic atmosphere. It brings the student in contact, from the start in his career, with the practical and every-day life of the legal profession. Law professors who have retired from practice, or who have been students

of the law for its own sake, often sacrifice its practical to its scientific and theoretical treatment.

Practitioners, on the contrary, bring to instruction in law the experience of men who have seen how the principles of law work out in the conduct of public affairs, and in the various and complicated relations of social existence. They are consequently in a better position to correct the theory and mere science of law by experience and practice.

The staff is further composed of men whose legal education has been received in the leading law schools of the United States, and who have been invited to occupy the chairs which they fill for their high standing in the community as men and as lawyers. The student enjoys in consequence the advantage of a training which partakes in the most substantial way of the results and excellent features of the other law schools of the country. On the other hand, the responsible character of the Faculty is a certain guarantee to the public that the men who graduate under them will not simply have their memories primed with legal formulae, but will be lawyers who enter upon their professional career with Christian ideals, well disciplined minds, and that deeply moral character which is to render their lives an honor to their college and a blessing to their country.

#### Location of the Institute 3642 Lindell Boulevard

To accommodate the number of young gentlemen who desire to take a course of law at the University it was found necessary to remove the Institute from its former location to 3642 Lindell Boulevard. A building has been erected which adjoins the Philosophical building of the University. The new quarters of the Institute have all the modern improvements and are especially adapted for law school purposes. They comprise four large and commodious lecture rooms, a perfectly equipped court room, a very extensive library, reading rooms, correspondence and conference rooms and an auditorium which will accommodate an audience of one thousand.

School of Commerce  
and Finance



## School of Commerce and Finance

### Officers

REV. WILLIAM F. ROBISON, S. J., A. M., Ph.D.,  
President of the University.

GEORGE W. WILSON,  
Dean.

JOSEPH L. DAVIS, S. J., A. M.,  
Regent.

FRANCIS A. THORNTON, A. M., LL. B.,  
Secretary.

## **General Statement**

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### **Organization and Purpose.**

The St. Louis University School of Commerce and Finance was established in the fall of 1910 to afford that exact and scientific training which is required today for success in the higher fields of business effort. It offers an advanced course of university and professional character and aims to produce industrial engineers, resourceful organizers and managers, expert accountants, specialists in the various lines of commercial activity.

Actual experience alone is too slow and costly a process whereby to obtain the necessary training. Schools, it is true, can not take the place of experience, but they can give to their students advantages which make experience incalculably more valuable. They can supply that scientific groundwork which makes for a larger success; and they can enrich the mind with a wealth of practical suggestion drawn from the accumulated experience of others.

It is chiefly on account of the need of such instruction that schools of this character established in recent years, at the leading universities, have met with such extraordinary results; results which have been nowhere more marked than at this particular institution.

### **Great Need for Such Training Today.**

There never was a time of greater need for training along the lines here given. The problems of commercial reconstruction and development which face the world today require men well trained in economics, in organization and management, in foreign commerce, in accounting and cost work, in various lines of banking and finance. In all lines

of business there is and will continue to be a constantly increasing demand for a high order of technical commercial efficiency.

### **Faculty and Method of Instruction.**

The success of the School of Commerce and Finance has been in a great measure due to the method of instruction employed, and to the character of its faculty. In all classes the best texts obtainable are used, and these texts are taught, wherever possible, by practical business men who have been successful for years in their respective lines. Accounting is taught only by practicing accountants, investments by investment bankers and brokers, insurance by insurance men, advertising by advertising men, banking by bankers, law by practicing lawyers, etc. This method of instruction insures a thorough, practical, as well as theoretical, training. Nothing desirable of a scientific character is neglected, economics and kindred topics are taught by trained university instructors, and there are classes and societies for investigation and research; but the emphasis is at all times placed on the practical side of each study, on how to apply the knowledge acquired in the class room to the solution of the actual problems of business.

### **Course Perfected by Experience**

The course of studies, chosen originally after much thought and deliberation, has been elaborated and perfected by ten years' experience in the practical operation of the department. Methods and theories which actual use has shown to be less suitable to present day needs, have been discarded for those more progressive and effective. The curriculum now offered is the well balanced and smoothly operating course of studies made possible by continued observation and careful experiment in this field of education.

### **Entrance Requirements**

This department being strictly of university standard will admit no students except those who have had a high school education or those whose actual experience in business will enable them to follow the courses with profit. Usually no student is admitted who is under 21 years of age. Any student who is a high school graduate, or who has received an equivalent education, may enter as a candidate for a degree.

### **Open to Women**

All courses of this department are open equally to men and women. Existing conditions have made possible for the latter opportunities in the field of business never before presented. The demand for women well trained along commercial lines is today almost universal. All the branches of our curriculum are accessible to them and presented in a manner already proven helpful and effective.

### **Degrees and Certificates**

The University will confer the degree of Bachelor of Commercial Science (B. C. S.) upon all regular students who are candidates for a degree, and who (1) shall submit a satisfactory original thesis on some economic question, and (2) shall have successfully completed a four years' schedule of classes, including all the prescribed courses, and such additional electives as will entitle them to the necessary credits.

### **Post Graduate Work**

For those who wish to carry on their work after graduation, a post-graduate course is provided, requiring one year's resident graduate work on approved subjects.



### **Certified Public Accountants**

The courses in Accountancy and Law are so arranged as to thoroughly prepare the student to pass the examination required, under the laws of the State of Missouri, for the issuance of a Certified Public Accountant's certificate.

### **Cost Accounting**

An advanced course in Cost Accounting is given for the benefit of practicing accountants; regular students may also attend this course if their standing is sufficiently advanced.

### **English and Public Speaking.**

A course in English and Public Speaking is offered for graduates of the department, and for business and professional men and women generally. The classes in this course meet once a week throughout the year.

### **Foreign Language Courses**

The department offers courses in French and Spanish. The object aimed at is to give a thorough, practical knowledge of these languages to business men and women. Correct and technical commercial forms of expression are featured. These classes should prove of value to those interested in foreign trade.

### **Library Facilities**

Owing to the generous donation of friends and former students during the past years, the department now possesses an exceptionally valuable library. A large number of carefully chosen works, on general and technical subjects, affords ample facilities for the investigation of any question touching upon commerce, industry, and finance.

### **Prizes**

THE J. SHEPPARD SMITH PRIZE, donated by Mr. J. Sheppard Smith of the Mississippi Valley Trust Company, is awarded to the Senior who attains the highest general average throughout the year.

### **Location**

The School of Commerce and Finance is situated in the south wing of the Administration Building of the University, on Grand Avenue and Pine Street. This location is equally accessible from the business and residence districts, lies at the exact geographical center of St. Louis, and can be quickly reached by street car from every part of the city.

### **Academic Year**

The academic year commences on the first Monday in October and continues until the last Friday in May. It is divided into two terms or semesters, beginning on the first Mondays of October and February, respectively.

### **Evening Sessions**

Classes are held on Monday, Wednesday and Friday evenings, beginning at 7:30 p. m.

### **Tuition and Fees**

The tuition for all regular students taking a full schedule of courses is \$100.00 a year. Special students are charged in accordance with the number and character of the subjects studied.

All tuition must be paid by the quarter, and strictly in advance. The first quarter begins on the first Monday in October, and the three subsequent quarters begin on the first day of December, February and April respectively. No student shall, in any event, be allowed to remain delinquent in the payment of a quarter's tuition later than the end of the first month of the quarter.

Any student wishing to reduce his course must give notice of his intention to do so one quarter in advance; otherwise no allowance will be made on his tuition charges.

No tuition will be refunded to any student except in case of protracted illness.

No student will be allowed to advance to a higher class, or to graduate, until all of his financial obligations to the School are satisfied.

All students, whether regular or special, are charged a matriculation fee of \$5.00, to be paid but once, for enrollment by the University.

A graduation fee of \$10.00 is charged to degree students for graduation; and one of \$3.00 to certificate students.

Conditional examinations, \$2.00.

### **Other Information**

The University reserves at all times the right to temporarily withdraw any course in which less than ten students are enrolled.

For further information address the Secretary of the School of Commerce and Finance, St. Louis University, Grand Avenue and Pine Street, St. Louis, Mo.

During the summer months the Secretary or some other officer of the faculty may be found at the University on Monday and Friday evenings, between 7:30 and 9:00 o'clock. Catalogs sent on request.

### --- --- **HOURLY SCHEDULE OF FIRST YEAR COURSES.**

Time.	Monday	Wednesday	Friday
7:30	Economics	Contracts; Agency	Ethics
8:15	Accounting	Business Management	Accounting
9:00	Accounting	Advertising Salesmanship	Accounting

### --- --- **HOURLY SCHEDULE OF SECOND YEAR COURSES.**

Time.	Monday	Wednesday	Friday
7:30	Investments; Credits	Corporations; Partnerships	Advanced Economics
8:15	Accounting or Some Elective	Banking	Accounting or Some Elective
9:00	Accounting or Some Elective	Corporate Finance	Accounting or Some Elective

### --- --- **HOURLY SCHEDULE OF THIRD YEAR COURSES.**

Time.	Monday	Wednesday	Friday
7:30	Sales, Bailments and Carriers	Advanced Economics	Negotiable Instruments; Bankruptcy
8:15	Accounting or Some Elective	Foreign Com- merce or other elective	Accounting or Some Elective
9:00	Accounting or Some Elective	Some Elective	Accounting or Some Elective

Schedule of Fourth Year Courses will be announced later.



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Time.	Monday	Wednesday	Friday	Saturday
7:30	Political Science		European Monetary Systems	Commercial English
8:15	Junior Accounting	Economic Resources	Junior Accounting	
8:15	Senior Accounting	Trade Labels and Patent Rights	Senior Accounting	
8:15	Cost Accounting	Interstate Commerce Law	Real Estate	Economic Seminar
8:15	English and Public Speaking	Landlord and Tenant	Life Insurance	
8:15	Spanish	Transportation	Spanish	
9:00	Junior Accounting	Office Management	Junior Accounting	
9:00	Senior Accounting	Fire Insurance	Senior Accounting	
9:00	Advanced Spanish	Insurance Law	Advanced Spanish	

## Description of Courses

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### Accounting

The courses in accounting are both thorough and comprehensive, familiarizing the student with the latest and most satisfactory methods. They are regular C. P. A. courses and cover the entire field of business analysis, costs, auditing, and the theory and practice of accounts. The teaching is done by chartered and certified accountants, from the leading accounting firms doing business in St. Louis.

#### **Course I. General Accounting (120 hours.)**

The object of this course is to lay a solid foundation for the subsequent study of advanced and specialized accounting. To secure thoroughness as well as coherent development, Walton's graded system of General Accounting is used, supplemented by texts of other standard authors.

A series of comprehensive and carefully graded exercises and problems, simultaneous with and collateral to the lectures on the science of accounts, is given to insure the student's thorough grasp of the principles acquired and his facility in their practical application.

#### **Course II. Advanced Accounting (360 hours).**

This course includes as sub-courses all the advanced accounting courses as set forth below. The purpose of this course or group of courses is to prepare the student for the successful practice of the profession of accountancy; and is designed to fit candidates to pass the examinations set by State Boards of Accountancy.

**Course III. Corporation Accounting (60 hours).**

Corporate formation; books of account, stock accounts; capital, assets and investments; working and trading assets; deferred assets; sinking funds; bonds and debentures; current and deferred assets; reserves; depreciation of property and plant; securities and investments; organizations and reorganizations; mergers, trusts and combinations; insolvency and receivers; systematizing.

**Course IV. Cost Accounting (60 hours).**

Analysis of the sources of cost; tracing the cost from the raw materials through the processes of production to the finished product; apportioning costs; cost of labor, skilled and unskilled; cost of management and exploitation; cost units; analysis of costs to determine the relative efficiency of various departments, various aggregate or individual units; trading as distinguished from manufacturing costs; installing and operating cost systems; cost keeping according to the most satisfactory methods; comparative value of different systems of cost accounting.

**Course V. Auditing (60 hours).**

Duties and responsibilities of an auditor; scope and purpose of an audit; conduct of an audit, working papers; verifications of accounts, vouchers, etc.; the close of an audit, analytical comparison of compilations, preparation of report; various kinds of audits, as banks, trust companies, hotels, clubs, public service corporations, breweries, insurance companies, railroads, municipalities, etc.; special investigations; auditing questions.

**Course VI. Fiduciary and Investment Accounting (60 hours).**

Accounting of administrators and executors; accounting of trustees; problems of trust accounting; accounting of guardians, curators, etc.; investment accounting; stocks, bonds and debentures; collateral, loans, interest; special problems of investment accounting.

**Course VII—VIII. Accounting Problems (120 hours.)**

These courses are designed to teach the student how to analyze the practical accounting problems which confront the student in applying the principles which he has theoretically acquired during the first year and which he has continued to amplify during the second and third years; the problems cover all the important phases of co-partnership, corporate and cost accounting as exemplified in the leading lines of business, as manufacturing, trading, real estate, contracting, railroading, banking, brokerage, etc. They constitute a double or continuous course running through the second, third and fourth years.

**Law**

Our law courses give to the business man all the law that is of any practical value to him in his business life. The classes are taught in regular law school fashion, standard law texts are used, and all lecturers are practicing lawyers of experience.

**Course I. Contracts and Agency (30 hours.)**

The elements of a contract; parties to a contract; kinds of considerations; illegal, fraudulent and other void contracts, construction of contracts; verbal and written contracts, the Statute of Frauds; how contracts may be terminated; specific performance; breach of contract; damages.

The contract of agency; who may be agents, and how appointed; agency by ratification or estoppel; rights and duties of agents and principals in reference to each other; rights and duties of principals and agents in reference to third parties, termination of the contract of agency.

**Course II. Partnerships and Corporations (30 hours.)**

Articles of co-partnership; sharing of profits and losses; rights of partners against each other; rights of creditors against firm and partners; silent and dormant partners; commercial paper of partnership; accounting; termination of the co-partnership, how effected; liquidation of assets.



Forming a corporation; stock subscriptions; the nature and contents of charter and by-laws; stockholders' and directors' meetings; the various forms of corporate stock and the rights of holders thereof; corporate elections; rights of minority stockholders; ultra vires acts; voting trusts; directors' and stockholders' liabilities; rights of creditors; dissolution.

### **Course III. Sales, Bailments and Carriers (30 hours.)**

The contract of sale; memoranda, immediate and future sales; time of delivery; shipment, rights and duties of consignee, consignor and carrier; stoppage and loss in transit; when the contract is closed; setting aside sales; warranties; sales by sample, by description, etc.

Nature and classification of bailments; bailments for the benefit of the bailor; bailments for the benefit of the bailee; mutual benefit bailments; innkeepers; common carriers of goods; common carriers of passengers; telegraph and telephone companies.

### **Course IV. Negotiable Instruments and Bankruptcy (30 hours.)**

What instruments are negotiable; bills, notes, drafts and checks; acceptance of drafts; certified checks; defenses to suits brought on negotiable paper; partnership and corporation papers; rights and liabilities of endorsers, presentment; notice of dishonor, protest.

Acts of bankruptcy; who may become bankrupts; exemptions; duties of bankrupts; compositions; discharge; offenses against the bankruptcy law; duties of trustees and referees; creditors' meetings; proof and allowance of claims; preferred creditors; estates.

### **Course V. Tenancy and Insurance (30 hours.)**

Nature of real property; kinds of estates; fee simple estates; life estates; estate less than for life; leaseholds;

rights and liabilities of landlord and tenant; the law of fixtures; conditional estates; mortgages; equitable estates; joint estates; titles; conveyancing; deeds.

Nature of the insurance contract; requisites of the insurance contract; insurable interests; premiums and assessments; concealment of fact; representations and warranties; insurance agents and their powers; rights under the policy; the standard fire policy; terms of the life policy; marine insurance; accident insurance; guaranty, credit and liability insurance.

#### **Course VI. Trade Marks, Patents and Interstate Commerce Law (30 hours.)**

Trade marks, trade labels, copyrights, patents, rights and duties of holders thereof, duration and limitation of rights.

Nature and jurisdiction of the Interstate Commerce Commission, an examination of its leading decisions in regard to railway rates, common carriers, commerce regulation, accounting, publication of tariffs, etc.

### **Economics**

The courses in Economics discuss the laws and principles which underlie commercial activities and whose study constitutes the science or philosophy of business. These courses treat of the laws determining the location and development of industries, the causes of trade movements, markets, prices and price fluctuations, depressions and panics and how to forecast them, and a great number of other subjects of equal interest and importance.

#### **Course I. Ethics (30 hours.)**

Ethical foundations; the nature, freedom and responsibility of man; the final end of man; right and wrong in human actions; rights and duties; conscience; the natural law; man's threefold duties; the family; society; private property; the state.

**Course II. General Economics (30 hours.)**

Production; increasing and diminishing returns; the advantages and drawbacks of modern industrial organization; locality and dimensions of industry; consumption; markets and prices; differential gains; international trade; money and coinage; credit and banking; foreign exchanges; profits, interest and wages; mistaken theories on riches; trade unions; employers' liability; taxation. This course gives a general view of the whole field of economics in preparation for the intensive courses of the two following years.

**Course III. Advanced Economics (30 hours.)**

This course comprises the required economics of the second year. On account of its intensive character, each assignment demands very careful preparation on the part of the student, and affords opportunity for considerable research work. The course is divided into four parts:

1. **INDUSTRIAL ORGANIZATION:** The organization of production; the development of modern industry; labor and capital in production; transportation and the economic area; large scale production; horizontal and vertical combination; corporate organization of industry; the problems of modern industrialism.

2. **MARKETS AND PRICES:** Value and utility; the nature and operation of markets; demand and supply; marginal value; speculation; value under constant cost; value and diminishing returns; value and increasing returns; monopoly value; joint cost and joint demand.

3. **THE PRINCIPLES OF FINANCE:** The precious metals; functions of money; the quantity of money and prices; the cost of specie in relation to its value; bimetallism; changes in prices; government paper money; banking and the medium of exchange; centralized and decentralized banking systems; crises and industrial depressions; financial panics; some monetary problems.

4. **INTERNATIONAL TRADE:** The mechanism of international trade; foreign exchange; the balance of international payments; the theory of international trade; the relative merits of protection and free trade.

**Course IV. Economic Resources (15 hours.)**

The importance and geographical distribution of the raw materials of commerce—food products, skins and leathers, textile materials, fibres, oils, woods, gums and resin, drugs, dye-stuffs, minerals and building materials; the chief sources of supply, and how they have been influenced by the growth of modern transportation facilities; development of mineral resources; conserving resources; problems arising from concentrated population.

The influence of natural resources on the growth of industry and the development of trade; the location and concentration of industry; the geographical division of industry; industrial conditions and trade movements.

**Course V. Transportation (15 hours.)**

The economics of transportation; its influence on commercial and industrial development; ocean transportation; harbors and seaports; export and import charges and duties; inland waterways and transportation; railroads; passenger traffic; freight traffic; classifications, rates and tariffs; traffic policies; state and federal regulations; transportation problems. The value of this course will be largely enhanced by introducing a number of lectures by prominent railroad officials, who will supplement economic theory with suggestions drawn from everyday experience.

**Course VI. Advanced Economics (30 hours.)**

This course is a continuation of Economics III, and is divided into three parts:

1. **THE DISTRIBUTION OF WEALTH:** Interest on capital used in production; overproduction and over-investment; rural rents and land tenures; urban site rent; monopoly gains;



wages and value; differences in wages; stratification; business profits; population; inequality and its causes.

2. **CURRENT ECONOMIC PROBLEMS:** Problems of labor; trade unions; labor legislation; agencies for industrial peace; workmen's insurance; co-operation; railway problems; public ownership and public control; combinations and trusts; socialism.

3. **TAXATION:** Principles underlying taxation; income and inheritance taxes; taxes on land and buildings; general property tax; taxes on commodities.

**FIELD WORK:** In connection with Economics III and VI field work is done by the students, especially in the study of Industrial Organization and Current Economic Problems. The many industrial and financial enterprises of St. Louis furnish excellent facilities for economic examination and analysis. Special research work, under the direction of the professor, is also insisted on.

**Course VII. The Monetary Systems of Europe (30 hours.)**

The Bank of England and the English Banking System; the Reichsbank; the German Imperial banking laws; evolution of credit and banks in France; the Bank of France; a comparison of the fiscal systems of England, France and Germany; the relation of the Bank of France to National and International credit; the discount systems of Europe; the National Bank of Belgium; the Swiss banking laws; the Swedish Banking system; statistics.

**Course VIII. Political Science (30 hours.)**

The ethical basis of political science; the theory of government; analysis of the functions of government; governments of Greece; the government of Rome; Roman and canon law; ecclesiastical government; government during the middle ages; feudalism; types of modern governments; the government of France; the governments of Germany;

the governments of Switzerland; the dual government of Norway-Sweden; the government of Great Britain; the government of the United States; special governmental problems.

### **Business Administration**

Some of the courses in business administration teach scientific organization and management; others aim at making the student a technical expert in such special line of work as he may choose to follow. These courses are all taught by successful business men, who endeavor to give to the student the information that they have acquired from the experience of many years.

#### **Course I. Business Organization and Management (30 hours.)**

This course consists of a scientific examination of the principles underlying the successful conduct of business enterprises; and aims to impart to the student in a systematic manner the latest, most approved and most efficient plans of organization and management. The value of the course is intensified by the fact that it is largely given by men who are actively engaged in the management of successful commercial, industrial and financial institutions. This course will be more fully developed during the ensuing year and a complete outline of its subject matter will be announced later.

#### **Course II. Credit Management (15 hours.)**

The basis for the legitimate extension of credit; the credit department of a wholesale house, and its equipment; gathering credit information; the mercantile agency; the credit department of a modern department store; collections and collection methods; the financial statement and its analysis; analysis of credit information in general; credit correspondence; banking credits; the legal equipment of the credit manager; bankruptcy and insolvency; liquidation of insolvent estates.

**Course III. Investments (30 hours.)**

Nature, method and laws of investment; government, state, county and municipal bonds; stocks and bonds of public service companies; stocks and bonds of industrial corporations; railroad stocks and bonds; fluctuation; stock markets; the relation of speculation to investment; the nature and progress of speculation; mortgages; real estate values and investments.

**Course IV. Advertising (15 hours.)**

Attracting and holding attention; grouping and arrangement; paper, type and illustration; display advertisements and reading notices; newspaper and magazine advertisements; direct publicity; advertising campaigns; bulletins, signs, and posters; window displays; wholesale and retail advertising; department store advertising; catalogues and mail order advertising; reaching the desired customer; relative value of different media; advertising agencies; advertising problems.

**Course V. Salesmanship (15 hours.)**

Personal qualifications, tact, address, personal magnetism; acquiring a thorough knowledge of the goods to be sold; studying the customer; the approach; the demonstration; effectiveness in presenting arguments; closing the sale; increasing the order; developing new trade; written salesmanship; personal letters; follow-up letters; organizing a selling force; selling campaigns; selling policies; new and practical selling plans; the ethics of salesmanship.

**Course VI. Corporation Finance (30 hours.)**

Corporate stock; the sources of corporate funds; short time loans; the corporate mortgage; types of corporate bonds; corporate promotion; new enterprises; consolidations; selling securities; underwriting syndicates; investment of capital funds; disposition of gross earnings; betterment expenses; the corporate surplus; corporate manipulations; insolvency and receiverships; reorganizations.

**Course VII. Practical Banking and Finance (30 hours.)**

A thorough and practical exposition of the principles of finance and banking; nature and value of money; credit; domestic and foreign exchange; relation of money and credit to prices and the rate of interest; commodity or metal money; monometallism vs. bimetallism; fiat money; credit money; the money of the United States; current monetary questions.

The nature and importance of banking operations; the bank clerk; the paying teller and his cash; the receiving teller and the depositors; the collection department; the discount clerk and his duties; the bank's collaterals; bonds and coupons; the cashier and his duties; the stock, its ownership and transfer; the bank's circulation; foreign exchange and letters of credit; checks; notes and drafts; the president and directors; board meetings; management; the clearing house system; trust companies.

**Course VIII. Insurance (30 hours.)**

The nature of the insurance contract; relations between company and insured; the main type of insurance organizations; the New York standard and other policies; forms and clauses, including co-insurance, mortgage, percentage value, etc.; insurance procedure; insurance accounting; loss adjustments; rating methods and special schedules; inspection methods; other forms of insurance.

The life policy; net and office premiums; mortality tables; level premium reserves; general policy provisions; special policy provisions, distribution of surplus as dividends; modes of settlement; procedure and routine of the life insurance business.

**Course IX. Real Estate (15 hours.)**

This course consists of an exposition of the more important underlying principles which control the successful operation of the real estate business; it includes such mat-



ters as : estate management ; rent collections ; real estate sales ; real estate loans ; shifting of real estate values ; mortgages ; conveyancing ; title examination ; insurance ; real estate advertising, etc.

**Course X. Office Management (15 hours.)**

Laying out floor space ; hiring employees ; building an organization ; schemes of supervision ; daily and weekly records ; merit systems ; overtime ; office libraries ; petty stealing ; departmental records ; office appliances ; order systems ; social organizations, etc.

**Course XI. Foreign and Domestic Commerce (30 hours)**

Domestic trade conditions, trade movements, mining, crop conditions, manufacturing, centers of distribution, the money market.

Foreign trade conditions, foreign markets, exporting details, correspondence, export commission houses, export orders, preparing and making shipments, marine insurance, financing foreign business, foreign exchange.

**Special courses in Economics and Business Administration**  
will be given in the fourth year and will be  
announced later

## Commercial Languages

### Course I. Commercial Spanish (120 hours.)

This course is of particular value owing to the constantly increasing volume of trade between St. Louis and the Latin-American countries; necessitating the employment, by many of the large jobbers and manufacturers of secretaries, stenographers, salesmen, etc., capable of handling Spanish correspondence and business. It aims at imparting to the student, as rapidly as is consistent with thoroughness, an easy and exact command of the language sufficient for all commercial purposes.

### Course II. Commercial French (120 hours).

This course is similar in scope and method to that in Spanish described above.

### Course III. English and Public Speaking (30 hours.)

Thought development; division and arrangement; oratorical composition; argumentative, expository and demonstrative speeches; after-dinner talks; the practical business talks; extempore talks.

Enunciation and inflection; tone development; distinctness, power and pathos; power and grace of gesticulation.

### Course IV. Commercial English (30 hours.)

A thoroughly practical course in business writing and correspondence.

This course is designed primarily for those who are lacking in the technical language of business; though it is open to any student. The class meets once each week.



**School of Divinity**



## School of Divinity

### Officers

REV. WILLIAM F. ROBISON, S. J., A. M., Ph. D.  
President of the University.

REV. JAMES I. SHANNON, S. J., A. M.,  
Regent.

REV. FRANCIS J. O'BOYLE, S. J., A. M.,  
Dean.

REV. WILLIAM B. ROGERS, S. J., A. M.,  
Spiritual Director.

## Departments

The School of Divinity is divided into four departments or sections, each of which embraces those groups of studies which are closely related.

In the first, or Dogmatic Section, are included Dogmatic Theology, strictly so-called; and Fundamental Theology, or General Apologetics.

In the second, the Moral Section, are included Moral Theology, Canon Law and Liturgy.

In the third, the Biblical Section, are included the History of Revelation, Special Introduction to Sacred Scriptures, Exegesis and Oriental Languages.

The fourth, the Historical Section, deals with the History of the Church, its Councils, Institutions and Dogmas.

To these are added the studies of Sacred Eloquence and Ecclesiastical Music.

## Method

The course is entirely by lecture, supplemented by regular and frequent repetitions in the accurate scholastic form. The examinations are oral. Lectures and examinations are in Latin.

## Outline of Courses

### Department I.—Dogmatic Theology

#### Course I.—General Apologetics

Four lectures a week. Seminar, two hours a week. Two Semesters.

#### Revelation

**Revelation.** Possibility of Divine Revelation. Necessity of Supernatural Revelation. Distinctive marks by which a true Revelation may be recognized. Miracles and Prophecies, certain signs of the Divinity of a Revelation. Other criteria.

**Christian Revelation.** The Four Gospels and the Acts of the Apostles, authentic historic documents. Jesus of Nazareth proves His Divine Mission by the miracles and prophecies narrated in the Four Gospels, especially by His Resurrection from the dead. The spread of the Christian Religion, historically viewed, is an incontrovertible evidence of its divinity. Other proofs. Religious Experience. Messianic Prophecies.

#### Faith

**Its Nature.** An act of supernatural faith is an intellectual assent given under the impulse of the will to revealed truth because of the authority of God revealing it.

**Material Object.** Faith must extend explicitly or implicitly to all truths revealed by God, and to those only. What is implicitly, but formally, revealed, is the object of faith; not, however, what is only virtually revealed.

**Evolution.** Revelation closed with the Apostles. There neither was nor will be further divine revelation obligatory

on all men. There is an evolution in the manifestation of the material object of faith. This evolution consists in proposing explicitly, clearly, more urgently, truths contained in the word of God as originally intrusted to the Apostles and preached by them, though only implicitly, more or less obscurely, less insistently.

**Prerequisite to An Act of Faith.** Certain knowledge of God's wisdom and truthfulness and of His revelation is required that our faith may be a rational act. Character of this knowledge in the learned and the unlearned. Manner of acquiring it.

**Analysis of the Act of Faith.** Being a mediate assent to the revealed truth because of our assent to God's authority revealing it, an act of faith is a virtually discursive act. Difficulty of explaining the psychological nature of the assent with which in the act of faith itself we affirm God's authority and revelation. The various explanations considered.

**Properties.** An act of supernatural divine faith is by its very nature obscure. This obscurity does not make it impossible for one to have scientific knowledge and faith with regard to the same truth.

It is also certain. This certitude in a true sense surpasses all natural certitudes.

It is essentially true, and also immediately free in as far as it is elicited only under the impulse of a free act of the will.

It must be universal; a deliberate doubt or denial of a single article of faith renders supernatural divine faith in any other article impossible.

Without actual faith in God's existence and in His being our Remunerator in the supernatural order, salvation is impossible for adults. Other truths which must necessarily be believed explicitly as a matter of precept.



## Holy Scripture

**General Introduction.** History of the Canon of the Sacred Books. History and authority of texts and versions. The authority of the Latin Vulgate. Principle and history of biblical hermeneutics.

**Inspiration.** The Inspiration of the whole of Scripture and the Canon of the Sacred Books can be known with certainty only through the infallible teaching of Christ's Church. Nature of Inspiration. False views. True explanation. God the principal Author of the Sacred Books and of all their parts. Nature of God's action on the mind and will of the sacred writer. Extent of Inspiration. The Church the only infallible interpreter of the inspired word.

## Course II.—General Apologetics

Four lectures a week. Seminar, two hours a week. Two Semesters.

## The Church

**Institution of the Church.** Preliminary notions. The Church founded directly by Christ. The Church, a perfect society. The proximate and ultimate ends of the Church. The Church, a Monarchy. Church and State. Members of the Church.

**Marks of the Church.** The Church, a visible organization, consisting of a body and soul. There is but one true Church of Christ. Unity, Sanctity, Catholicity, and Apostolicity, marks of the true Church of Christ. The Roman Catholic Church possesses these marks. No other Christian denomination has these marks. The Church is infallible. The infallible teaching of the Church extends to all matters pertaining to Faith and Morals. Scripture and Tradition, the two sources of the Church's teaching.

**Supreme Head of the Church.** St. Peter, constituted by Christ the Supreme Head of the Church. The Primacy of

St. Peter in the Church will endure forever. The Pope is the Successor of St. Peter as Bishop of Rome and in the Primacy over the whole Church. The Pope's Primacy, by Christ's institution, is a true power of jurisdiction, ordinary, immediate, comprising the fullness of the spiritual powers over all the members of the Church. Oecumenical Councils. The Pope Infallible when teaching "ex cathedra" i. e., as Universal Teacher of the Church in matters appertaining to Faith and Morals.

### Tradition

**Tradition.** Definition. It is one of the two sources of revelation. Force of the unanimous consent of the Fathers in matters of faith and morals. The Fathers as private Doctors. Consent of Theologians. Authority of St. Thomas. The belief of the faithful. Human reason in Theology.

### Course III.—The Triune God

Four lectures a week. Seminar, two hours a week. Two Semesters.

#### The One God

**Existence of God.** God knowable to man through creatures. Defined by the Vatican Council. Proved from the Sacred Writings and the Fathers.

**Scientific Demonstration of this Truth.** The various metaphysical, physical, and moral a posteriori arguments. God not knowable naturally, except through creatures.

**Essence of God.** A pure spirit of infinite perfection. Physical essence. Metaphysical essence. His self-existence expressed by His name—"I AM."

**Attributes of God.** His Unicity, Simplicity, Immensity, Immutability, Eternity, Omnipotence, Invisibility, Incomprehensibility. Distinction of God's Attributes from one another, and from His essence.

**God's Knowledge.** Principal and formal object of Divine Understanding. Secondary and material objects.

**God's Will.** His antecedent and consequent will; absolute and conditional will; efficacious and inefficacious will.

**Liberty of God's will.** How harmonized with His immutability.

**Providence of God.** Natural; embraces all creatures. Supernatural. God's sincere will of man's salvation. How modified by free created agents.

**Predestination.** Its existence and properties. Though certain and immutable in itself, it is naturally uncertain to man; wholly gratuitous as regards the First Grace; merited as regards Eternal Glory. Various effects of Predestination. Reprobation, the fault of man.

### The Trinity

**Existence of this Mystery.** There are Three Persons in God. Their consubstantiality. Hence each Person is truly God. The various elements of this mystery clearly contained in numerous texts of Holy Scripture.

**Knowledge of this Mystery.** How far revealed and known in the Old Testament. The Trinity and especially the consubstantiality of the Three Divine Persons in the writings of the Ante-Nicene Fathers. The Trinity and reason.

### Nature of This Mystery

**Processions in God.** There are only two. Principles of these processions. Difference between these processions, as manifested in the Sacred Writings. The Holy Ghost proceeds from the Father and the Son, who are one principle of procession.

**Relations in God.** Their existence, number, nature. How they constitute the Persons.

**The Divine Persons.** Their equality. Their in-existence, one in the others. Appropriation of works and attributes to one Person.

**Course IV.—Sin. The Incarnation**

Four lectures a week. Seminar, two hours a week. Two Semesters.

**Sin in General**

**Nature of Sin.** Sin, a moral act at variance with the dictates of reason. Every sin an offense against God. Inequality of sins.

**Cause and Effect of Sin.** God not the cause or author of sin. The guilt of sin distinct from its liability to punishment.

**Personal Sin.** The existence of venial sin proved from Holy Writ. Difference between mortal and venial sin, intrinsic to the sin and derived from the gravity of the obligation violated. Habitual sin consists in the guilt of actual sin morally persevering.

**The Incarnation**

**Existence of this Mystery.** The divinity of Christ proved from the Old and the New Testament.

**Nature of this Mystery.** The Word Incarnate, as One Physical Person; according to the Doctrine of the Church against Nestorius. Two perfect natures in Christ, against the Monophysite heresy. Two Wills and Two Operations in Christ, as defined against Monothelitism.

**Causes of the Incarnation.** Essence of the Hypostatic Union. The Hypostatic Union supernatural; ranks above all other unions, natural and supernatural. Its perpetuity and extent.

The Person of the Word alone assumes human nature. The whole Trinity the efficient cause of the Incarnation. The Redemption of man from sin its final cause. The interchange of the predicates of the Divine and Human Nature in Christ.



**Perfection of the Soul of Christ.** The beatific vision. Infused and acquired knowledge. The Freedom and Impeccability of His Will. The Soul of Christ holy by the Increased Sanctity of the Word and by the plenitude of sanctifying grace.

**Attributes of the God-Man.** The Divine Sonship of the Logos the only true sonship of Christ, excluding adoption and human sonship. Christ's Kingship and Priesthood.

**The Atonement.** The Hypostatic Union necessary if God wished adequate satisfaction for sin. Christ truly atoned for sin. Christ died for all men.

**The Worship Due to Christ.** The Man Christ an object of Divine worship. Adoration of the Sacred Heart of Jesus.

Veneration of Relics and Sacred images. The Invocation of Saints.

### **Course V.—God, as the Author of Nature and of the Supernatural**

Four lectures a week. Seminar, two hours a week. Two Semesters.

#### **God, as the Author of Nature**

**Creation in General.** Notion of creation. Various definitions. Formal object of creation. Nature of the creative act. Fact of the World's creation known through revelation. Reason's verdict on this fact.

The three Divine Persons create, but there is One Creator. Appropriation of creation to the Father. Creation, as exclusively proper to God. God is also the exemplary and final cause of creation. God's extrinsic glory the end of creation.

Mode and order of the world's formation. The Mosaic Cosmogony. Various interpretations. Science and the Mosaic Narration.

**The Angels.** Their existence certain. Each was immediately created by God in time. Their nature, number and hierarchy ; supernatural endowment ; relation to men. The Fallen Angels.

**Man.** The Bodies of our first parents were immediately fashioned by God. Evolution of the body of man from lower animals seems to be contrary to revelation. No scientific proof has been advanced to establish such an evolution. Each human Soul is created by God at the moment of its infusion into the body. There are two constituent elements in man, a body and a spiritual soul. Age of the human race.

### God, as the Author of the Supernatural

**The Supernatural Order.** Various meanings of the word Nature. Preternatural and supernatural gifts.

**Man in the State of Original Justice.** Our first parents were not only made the children of God by the infusion of sanctifying grace, but they were favored with other marvelous gifts. Connection of these preternatural gifts with supernatural grace. All these gifts were absolutely gratuitous, as was also man's destination to supernatural beatitude in heaven.

**Original Sin.** It is transmitted to every human being that comes into the world by way of natural generation, the Blessed Virgin Mary alone excepted, who was preserved from its stain by the merits of Jesus Christ. Nature of this sin. How voluntary in us. Its effects in this life, in the next. It in nowise conflicts with the justice or wisdom or goodness of God.

### De Novissimis

**The Beatific Vision.** Essentially the same for all the Blessed, but unequal in degree according to the merits of each. It is not deferred till the Day of Judgment. By its

very nature it excludes the possibility of sin in the Blessed and is eternal.

**Existence of Hell.** Teaching of the Church. Athanasian Creed. Fourth Council of Lateran. Constitution of Benedict XII. Scripture, Fathers, Reason.

Nature of the Punishment. Eternity. Pain of Sense.

**Purgatory.** Its existence. Certainty of Salvation of souls suffering in Purgatory.

**Resurrection of the Body.** Catholic Dogma. Specific and numerical identity of the body. Modern Rationalists answered.

**Judgment.** Particular Errors of Nestorius, Calvin. Time and place. Universality. Chiliasm. Millennium.

#### **Course VI.—Grace. The Infused Virtues**

Four lectures a week. Seminar, two hours a week. Two Semesters.

#### **Preliminary Notions and Truths**

General concept of Grace. Its main division: Natural and Supernatural, Uncreated and Created, Grace of God and Grace of Christ, External and Internal, Gratuitous and Ingratifying, Habitual and Actual.

Salutary acts are entitatively supernatural. Liberty of the will. This liberty was not destroyed by Original Sin. It is necessary for merit.

#### **Actual Grace**

Divisions. Awakening grace, Helping grace: Sufficient grace, Efficacious grace: Healing grace, Elevating grace.

**Nature of Actual Grace.** It formally consists in indeliberate acts of the intellect and will immediately and super-

naturally caused by God. Intrinsic and extrinsic elevation. Nature of the action of grace and of the faculties in producing the supernatural act.

**Necessity of Grace.** Grace is necessary for every salutary act: also for the Beginnings of Faith and Salvation. Special supernatural aid is necessary for perseverance. What man may know and do in the moral order without grace. Heresy of the Pelagians, of the Semi-Pelagians. Similiar errors of modern Rationalists.

**Grace and Free Will.** Man's will remains free under the influence of efficacious grace. Meaning of grace really but purely sufficient. Such grace exists. Difficulty of harmonizing efficacious grace with the freedom of the will. The Molinist explanation preferred.

**Economy of Grace.** It is absolutely gratuitous. Grace at least remotely sufficient is given to all men: to the Just, to Sinners, even the obdurate, to Infidels.

### Habitual Grace

**Justification.** Its character. Numerous systems of Protestants. Catholic doctrine embraces two things: The real remission of sin, which is completely blotted out and not merely not imputed, and the sanctification and inward renewal of man by the voluntary acceptance of sanctifying grace and supernatural gifts.

**Sanctifying Grace.** Its nature. Its formal effects. Character of the union which it effects between the soul and the Holy Spirit.

**Disposition for Justification. The Catholic Doctrine.** The Lutheran and Calvinistic Doctrines. Saving faith. Nature and object of this faith. Its necessity. Faith alone not sufficient.



**Properties of Justification.** It is uncertain. Grades of justice differ in different men. Man may fall from the state of grace. He does so through any mortal sin.

**Merit.** General definition of a meritorious work. If the quality of the work done claims a reward as a matter of justice, its merit is termed *de condigno*; if it only claims a reward as a matter of liberality or fittingness, its merit is *de congruo*. Possibility of man's meriting with God.

**Conditions of Condign and Congruous Merit** required on the part of the act, of the person meriting, of God.

### **Infused Virtues**

#### **General Study**

**Existence.** There are only three theological virtues: Faith, Hope and Charity. Infused moral virtues.

**Nature.** They are new permanent principles of action in the supernatural order, but unlike the acquired virtues, they do not bestow facility of operation. Facility due to acquired natural virtues.

**Cause.** God is their sole efficient physical cause. He infuses all of them simultaneously in justification. In the just, every supernatural action merits increase of sanctifying grace, and proportional increase in the intrinsic perfection of all the infused virtues.

**Loss.** Mortal sin deprives the Just of sanctifying grace and of the infused virtues save faith and hope. These lost only through the sins of infidelity and despair. Venial sins neither destroy nor directly diminish the intrinsic perfection of sanctifying grace or of the infused virtues, but they are a disposing cause of their ultimate loss through mortal sin.

#### **Special Study**

**Faith.** See page 192.

## Hope

**Its Nature.** Distinction from faith and charity. Its subject.

**Properties.** The act of hope is necessary for salvation. Absolute expectation of eternal beatitude is not certain without a special revelation. This uncertainty not attributable to God, but only to the possibility of man's not corresponding to God's grace.

**Object.** Its formal motive is God's relative goodness, in as far as hope is a desire of eternal beatitude; and God's omnipotence, mercy and fidelity, in as far as hope includes energy and effort in the face of difficulties.

Its primary material object is man's beatitude; everything conducive to that beatitude is its secondary object.

## Charity

**Formal and Material Object.** Formal motive of charity, God's absolute goodness. Material object, primary God; secondary, every creature capable of partaking of the eternal happiness of God.

**Nature and Properties.** Charity constitutes a true friendship between God and Man. It is the most excellent of the virtues; the vivifying principle of all the others.

### Course VII.—The Sacraments in General

#### Baptism. Confirmation. Holy Eucharist

Four lectures a week. Seminar, two hours a week. Two Semesters.

### The Sacraments in General

**Essence and Existence.** The definition of a sacrament. There are seven sacraments, all instituted by Christ. Not all are of equal necessity and dignity.

**Effects.** Sacraments of the Old Law are not productive of grace *ex opere operato*; sacraments of the New Law are, *ex opere operato*, productive of grace in recipients disposed. All sacraments are sources of special graces; some impress a character.

**Matter and Form.** The intrinsic causes of the sacraments. The matter and form are determined by Christ in some way for all the sacraments.

**Minister.** The proper minister of each sacrament. An interior intention, at least virtual, but neither faith nor grace, is necessary in the minister for valid administration; for licit administration by an ordained minister, grace is necessary.

**Subject.** For the valid reception of the sacraments, an intention is necessary in adults, but not faith strictly so-called; faith is required in Penance. For the fruitful reception of the sacraments of "the living," grace is necessary.

### Baptism

**Nature.** The definition considered physically and metaphysically. Its institution by Christ. Remote and proximate matter. The form is expressive of laving.

**Necessity.** It is ordinarily a necessary means of salvation. Where it is impossible the desire of baptism is sufficient in adults; where possible, adults are under precept to receive it. Perfect love and martyrdom as substitutes, and their conditions.

**Effects.** Remission of sin original and actual, and of all punishment due to sin. Infusion of sanctifying grace. The gift of special graces as necessary for the attainment of man's last end.

### Confirmation

**Nature.** Its institution. It is not necessary for salvation with the necessity of means, but only with the necessity

of precept. The matter of the sacrament is the anointing and the laying on of hands, not one only but both. The chrism. The form are the words used during the action.

**Minister.** The ordinary minister is the bishop; the extraordinary, a priest with delegated power.

**Subject.** Every one who has received baptism, and only such.

### Holy Eucharist

**Nature and Excellence.** The real presence of Christ is proved from John 6, Matt. 26, Mark 14, Luke 22, I Cor. 11; from the Fathers; from the teaching of the infallible Church.

**Manner of Christ's Presence.** It is permanent; through transubstantiation of the bread and wine into the body and blood of Christ.

**Intrinsic Causes.** The matter of the sacrament is wheaten bread and wine of the grape. Leavened bread with the Greeks; and unleavened bread with the Latins, is solely a matter of precept. The form of the sacrament are the words essential to the expression of Christ's presence.

**Dispensation of the Sacrament.** All who are baptized and in the state of grace, and they alone, can receive the sacrament with fruit. The sacrament is not necessary necessitate medii as a means of salvation, but it is commanded by both divine and ecclesiastical law. The priest is the sole minister of consecration and the ordinary minister of distribution; the deacon is an extraordinary minister of distribution.

**The Mass.** It is a true sacrifice, as proved from Malachy 1, Heb. 5, 7 and 13; from the Fathers; from the teaching of the Church. Christ is Himself the priest and the victim. The Sacrifice of the Mass remits sin and its punishment, not, however, in the same way as the sacraments. It is offered to God alone.



### Course VIII.—The Sacraments

Four lectures a week. Seminar, two hours a week. Two Semesters.

#### Penance

**Virtue.** Real Distinction from the virtues theological and moral. Distinguishing motive. Material Object.

**Sacrament.** Institution, John XX, 21 sq. Power to forgive, all-embracing. Power of binding and loosing. Judicial Character. Requisites on the part of the Penitent.

**Contrition.** Nature of the Act. Perfect Contrition with implicit desire of the Sacrament, a means of Justification. Attrition, sufficient for proper reception of the Sacrament.

**Confession.** Necessity. Per se, should embrace all mortal sins; per accidens, formal integrity suffices.

**Satisfaction.** Efficacy in remitting temporal punishment.

**Minister.** Only regularly ordained priests. Proof from tradition. Necessity of Jurisdiction. Meaning of Judicial Sentence, as expressed in the words of Absolution.

#### Extreme Unction

**Nature.** Sacrament of the New Law (Trid. XIV). Its essence. Episcopal Benediction of Remote Matter essential.

**Minister.** Duly ordained priest; Subject, adult person grievously sick. (St. James V, Trid. Sess. XIV, Denz. 807.)

**Effect.** Bestowal of Habitual Grace. Strength communicated to the soul against temptations and difficulties. Disposing the soul for entrance into life eternal. Restoration of health.

#### Holy Orders

**Nature.** Essential Distinction between Clergy and Laity, of Divine Right. A Sacrament of the New Dispensation. Minor and Major Orders. Bishops, Priests and Deacons.

**Matter, Form, Minister.** Imposition of Hands, Prayer of Bishop. Subject, Baptized Male Person.

### Matrimony

**Nature.** Sacrament of the New Law. As such, identical with the matrimonial contract in the case of Christians. Matrimony of the unbaptized, not sacramental.

**Minister, Matter, Form.** Contracting parties, consent of Contracting Parties, of Parents.

**Polygamy.** The Natural Law. The Patriarchs. The Gospel.

**Indissolubility.** Matrimony of the Unbaptized The Old Testament "Bill of Divorce." Pauline Privilege. Doctrine of Christ. Papal Dispensation.

**Impediments.** The Right of the Church to establish them. Trid. XXIV.

## Department II.—Moral Theology, Canon Law, Liturgy

### SECTION I.—MORAL THEOLOGY.

#### Course I.—Moral Principles. Christian Duties

Five lectures a week. Seminar, one hour a week. Two Semesters.

#### Part I. Principles

**Human Acts.** Nature; constituents; voluntarium and its species; voluntarium in causa, regulating principles Modifying influences of Human Acts—ignorance, concupiscence, fear, violence. Morality, its essence. Whether there are actus indifferentes in individuo; whether the external act increases the morality of the internal. Fountains of morality—object, circumstances, end. Obligation of referring our acts to God.

**Conscience.** Nature; divisions—right and erroneous, certain and doubtful, scrupulous and lax.

**Probability.** Its nature; species—intrinsic, extrinsic, speculative, practical, etc. Systems regarding probability—absolute and mitigated tutiorism, probabiliorism, equiprobabilism, probabilism.

### Laws

**Nature.** Notion, essence.

**Kinds.** Natural and positive; Divine and Human; Ecclesiastical and civil; penal; irritant. Divine Positive law in the Old and New Dispensation. Author of the law; Ecclesiastical legislators: Roman Pontiff, Councils: General, Plenary, Provincial, Diocesan Synod.

**Obligation.** Obligation of the law *sub gravi*, *sub levi*; how far the quality of the obligation depends on the intention of the legislator and the matter of the law. Promulgation necessary for obligation; mode of promulgation for Papal and Ecclesiastical laws. Promulgation of the Natural law; can there be invincible ignorance of its precepts. Subjects of the Natural Law, Ecclesiastical, Civil. Requisites for the fulfillment of an affirmative law, of a negative law. Causes excusing from the obligation of a law; exempting or impeding, directly, indirectly; proximately, remotely. Conditions requisite for the placing of an exempting or an impeding cause. Interpretation of a law; species; rules for doctrinal interpretation.

**Dispensation.** Nature; species. Who can dispense in Divine or Ecclesiastical laws. Cessation of dispensation by cessation of cause, by revocation, by renunciation. Cessation of laws by abrogation, by cessation of adequate motive cause, by desuetude.

**Custom.** Kinds. Conditions for the establishment of a legitimate custom. Its force.

### Sins

**Kinds.** The distinction between mortal and venial sins; conditions required. Rules for Numeric and Specific distinction. Interior sins. Capital sins.

## Part II.—General Duties

**Virtues.** Theological: Faith, necessity and material object. Opposing sins. Hope; opposite vices. Charity, material object, primary and secondary. Love of God; when the precept urges. Love of neighbor in general; of enemies. Precept of almsgiving, of fraternal correction. Sins opposed to the love of neighbor, scandal, co-operation.

## Precepts of the Decalogue

**First Commandment.** Acts of the virtue of religion: adoration, prayer. Vices opposed to religion: superstition, idolatry, vain observance, divination, spiritism, magic. Hypnotism; when forbidden. Sacrilege, Simony.

**Second Commandment.** Blasphemy; oath, its conditions; vow, its obligation, irritation, dispensation, commutation.

**Third Commandment.** What prescribed for Sundays and Holy Days; what forbidden. Obligation of hearing Mass. Abstinence from servile works.

**Fourth Commandment.** Obligation of children and parents; of employers and employees, etc.

**Fifth Commandment.** Homicide, abortion, duelling, war.

**Sixth and Ninth Commandments.** Sins, exterior and interior; sins consummated and non-consummated.

**Seventh and Tenth Commandments.** **Justice.** Nature of justice. Dominion; its object, subject, acquisition. Theft; occult compensation. Restitution. Unjust co-operation. Circumstances of restitution, how much, to whom, its order, etc.; reasons which excuse from restitution.

**Contracts.** Requisites; obligation of contracts. Species: unilateral, bilateral. Promise; donation. Testament, nature and species; obligations of testator, heir, executor, Contract of loan; interest, how far permitted or forbidden. Buying and selling; just price, how determined. Sale by



auction. Monopoly, brokerage, partnership, letting and hiring, strikes. Subsidiary Contracts—bond, pawn, mortgage. Insurance; wager and gaming.

**Eighth Commandment.** Lying, equivocation; detraction, calumny, rash judgment. Violation of secret, natural, promised, committed.

### **Precepts of the Church**

Attendance at the Holy Sacrifice of the Mass.

Abstinence, fast; causes excusing from.

Annual Confession and Paschal Communion.

### **Particular Obligations**

Duties of judges, advocates, witnesses, physicians. Obligations of clerics, positive—Sanctity, celibacy. Recitation of the Divine office. Negative obligations of clerics. Obligations of Bishops, Parish Priests, Religious. Nature of the religious state—vocation. Vows of Religious.

### **Course II.—Christian Aids**

Five lectures a week. Seminar, one hour a week. Two Semesters.

**Sacraments in General.** Nature, division, effects, matter and form of. Minister, attention and intention, obligation of dispensing, or refusing. Subject. Valid and licit reception, reviviscence. Sacramentals, effects and mode of operation.

### **Sacraments in Particular**

**Baptism.** Matter, remote and proximate; form; ordinary and extraordinary Minister. Subject—infants, adults, converts from sects. Sponsors; valid, licit sponsorship. Ceremonies in the administration of Baptism and obligation of observance.

**Confirmation.** Matter and form, Minister, subject, age of admission.

**Holy Eucharist.** Nature and efficacy ; matter and form. Minister, obligation and mode of administering. Subject ; obligation of receiving, dispositions of the soul and body—prescribed fast. Frequent Communion ; regulating principles. Mass, nature and application of ; obligation of celebrating ; time and place of celebration ; requisites, rubrics.

**Penance.** Matter, remote and proximate ; form, essential, rubrical ; Subject. Contrition and species of ; sorrow and its qualities ; purpose and condition of. Confession, its necessity, integrity of. Satisfaction, obligation of imposing and fulfilling. Minister. Approbation and jurisdiction. Reserved cases, nature of and absolution from. Office of Confessor, general obligations—to special classes, penitents in the proximate occasion of mortal sin, habitual, relapsing sinners. Seal of Confession, its matter and strict obligation.

**Indulgences.** What they are,—are not. Plenary, partial. Conditions for each. Apostolic Indulgences. Indulgences of Scapulars, Way of the Cross. Privileged Altar. Benedictio in articulo mortis treated in detail.

**Extreme Unction.** Nature and effects ; matter, remote and proximate ; form. Minister, his grave obligation of conferring. Subject. Repeated reception in the same sickness, how far lawful or valid.

**Holy Orders.** Nature and division ; matter, remote and proximate ; form. Minister. Subjects ; requisites for.

**Matrimony.** Promise of marriage, nature, obligation and effects of such promise. Banns, reasons for, dispensation from. Nature of marriage, conditional marriage, when valid, invalid. Consent of parents, how far required for licit contract. Properties of marriage, unity and indissolubility.

Matter and form. Minister and subject. Nuptial benediction. Impediments of marriage. Prohibitory ; their names ; dispensation from them. Diriment ; how far doubt or invincible ignorance of them would prevent invalidity of contract. Particular diriment impediments. Error and

Condition; Solemn Vows; Holy Orders; Relationship, natural, spiritual and by adoption; Affinity; Public Propriety; Adultery and Murder; Difference of religion; Fear; Prior Marriage; Clandestinity; Impotence; Abduction. Dispensation from diriment impediments, when possible, when impossible; power, causes and mode of dispensation. Revalidation of marriage by dispensation, simple or in radice. Conjugal obligations, violations thereof.

## SECTION II.—CANON LAW

**Course I.—Ecclesiastical Persons. Clerics, Religious, The Laity.** (First and Second Books of the Code of Canon Law.)

**Disciplinary Laws.** (Fifth Book of the Code of Canon Law.)

Two lectures a week. Two Semesters.

**Introduction to Canon Law.** Divisions and Sources. History of Development. Customs, Rescripts, Privileges, Dispensations.

**Clerical State.** Rights and Obligations of Clerics. Incardination. Appointments and Selection to Ecclesiastical Offices.

**General Government.** The Supreme Pontiff. General Councils. Cardinals, The Roman Court; Congregations, Tribunals, Offices. Legates, Patriarchs, Primates, Metropolitans. National and Provincial Councils. Vicars, Prefects and Administrators Apostolic. Prelates of Lower Rank.

**Episcopal Jurisdiction.** Bishops, Coadjutors, Auxiliaries. Diocesan Synods. Vicars General, Chancellors and Notaries, Synodal Examiners and Consultors, Chapters and Diocesan Consultors, Vicars Capitular, Deans, Pastors and Assistant Pastors. Erection, Union and Division of Parishes. Rights, Duties, Appointment and Transfer of Parish Priests.

**Religious State.** Orders and Congregations. Erection and Suppression of Religious Houses and Provinces. Acquisition, Administration and Alienation of Temporalities. Admission; Conditions of Validity, Postulants, Novices. Requisite Qualifications and Training of Candidates. Profession; temporary and perpetual. Vows; simple and solemn. Studies in Clerical Orders and Congregations. Rights and Obligations. Enclosure; Papal and Episcopal. Egression; Passing to another Order, Return to Laical State, Expulsion.

**The Laity.** Lay Organizations in general. Third Orders Secular. Confraternities and Pious Unions. Archconfraternities and Sodalities.

**Disciplinary Laws.** Offenses, their nature and divisions. Interpretation, Application and Remission of Penalties. Censures; Excommunication, Interdict, Suspension. Penal Remedies. Offenses against the Faith and Unity of the Church. Against Religion, Authorities, Persons and Things Ecclesiastical Offices and Dignities. Abuse of Authority. in the administration and reception of the Sacraments. Against the Obligations proper to the Clerical or Religious State. Offenses in the Appointment to and Reception of Ecclesiastical. Against Life, Liberty and Property. Offenses

**Course II.—Ecclesiastical Things.** (Third Book of the Code of Canon Law.)

**Ecclesiastical Procedure.** (Fourth Book of the Code of Canon Law.)

Two lectures a week. Two Semesters.

**The Sacraments.** Baptism, Confirmation, Holy Eucharist, Penance, Extreme Unction, Holy Orders. Minister, Subject, Rites and Ceremonies, Time and Place. Patrons, when required, their qualifications and obligations. Registration of Baptized, Confirmed and Ordained. Reservations. Indulgences; Plenary and Partial, Concession and Requirements for Obtaining. Requisite Qualifications for Ordination. Irregularities and Impediments. Dispensations.



Matrimony, Nature and Purpose. Requirements for Validity. Publication. Impediments; Prohibitory and Diriment. Consent, and the Matrimonial Contract. Separation. Convalidation.

Sacramentals. Competence of Ministers. Consecrations, Benedictions, Exorcisms.

**Sacred Places and Times.** Churches, Oratories, Altars. Ecclesiastical Sepulture. Cemeteries. Feast Days. Fast and Abstinence.

**Worship and Devotion.** Custody and Worship of the Blessed Eucharist. Devotion to the Saints. Images and Relics. Processions. Sanctuary Equipment.

**Religious Instruction.** Sermons, Lectures, Catechetical Instruction, Missions. Seminaries and Schools. Censorship and Publication of Books and Periodicals. Profession of Faith.

**Ecclesiastical Benefices and Non-Collegiate Institutions.** Erection, Union, Translation, Division, Conversion and Suppression of Benefices. Collation. Right of Patronage. Rights and Obligations of Beneficiaries. Hospitals, Orphan Asylums, other and similar Charitable Institutions.

**Ecclesiastical Property.** Acquisition, Administration, Alienation, Contracts, Foundations.

**Ecclesiastical Procedure.** Tribunals of the First Instance. Judges, Auditors, Notaries, Promoters, Defenders. Tribunals of Original and Appellate Jurisdiction. The Rota and Signatura. Parties Litigant. Actions, Exceptions and Petitions. Introduction of Causes. Methods of Procedure. Matrimonial Causes: The Competent Forum. Constitution of Tribunals. Evidence. Witnesses. Causes relative to Ordination. Causes of Beatification: Testimony, Documents, Perquisition, Informative Process. Revision, Discussion, Judgment. Canonization Procedure in removal and transfer of Pastors. Application of Penal Sanctions.

## SECTION III.—SACRED LITURGY.

One lecture a week.

The rites and ceremonies of the Catholic Church form part of the curriculum of the Divinity School during the third year of the course. Practical instructions are given on the manner of celebrating the Holy Sacrifice of the Mass; on the administration of the Sacraments, and on the recitation of the Divine Office, on decorum and exactitude in the external worship of God.

TEXT-BOOKS. The Ceremonial of the Council of Baltimore; the *Compendium Sacrae Liturgiae* of Wapelhorst.

## Department III.—Biblical Science

## SECTION I.—SACRED SCRIPTURE

## Old Testament

Five lectures a week. Two Semesters.

I. History of Revelation and of Old Testament Times.

II. Biblical Archæology:

a). The Tabernacle and the Temple. The Worship. The Calendar. The Sabbath and Principal Feasts.

b). The Government. The Family. Agriculture. Arts and Commerce.

III. Exegesis. Special introduction to and commentary on one or more of the following books:

a). The Prophets and Messianic Prophecies.

b). The Psalms and Sapiential Books.

c). The Historical Books.

### **New Testament**

Five lectures a week. Two Semesters.

**a). History of New Testament Times.**

Political History of Palestine. The Jewish Commonwealth under Roman Rule. Religious parties. The Scribes. Jewish life and customs. The Jews and the Gentiles. Messianic hopes. Apocryphal literature. Chronology of New Testament times.

**b). Exegesis.** Special introduction to and commentary on one or more of the following books:

**Course I.** The Gospels and the Acts of the Apostles.

**Course II.** The Epistles of St. Paul.

**Course III.** The Catholic Epistles.

### **SECTION II.—HEBREW**

**Second Year.** One hour a week. Translation of selected passages with special reference to the syntax.

### **Department IV.—Ecclesiastical History**

**Course I.—The Church of Antiquity and of the Middle Ages.  
(1—1307 A. D.)**

Two lectures a week. Two Semesters.

**Introduction.** The Condition of the Jewish and Gentile World During the Last Century Before Christ.

**From 1-313 A.D. The Church of Antiquity.** Foundation of the Church. The Vocation of the Gentiles. The Church of Rome. The Primacy. The Spread of Christianity during the First Three Centuries. The Era of Persecutions.

**The Hierarchy of the Early Church.** The Earliest Heresies. Worship, Sacraments and Private Devotions of the Faithful.

**From 313-c700. The Church of the Fathers.** The Decline of Paganism and the Spread of Christianity during the Migration of Nations. The Church and the Emperors.

**The Great Heresies and Schisms.** The Hierarchy. Councils, General and Particular. Religious and Social Life of the Period.

**From c700-1073. The Church of the Early Middle Ages.** The Conversion of Central and Northern Europe. Moham-medanism. Formation of the Papal States. The Papacy and the Empire.

**The Phocian Schism.** Religious and Social Life of the Period. Monasticism. Ecclesiastical Literature.

**From 1073-1307. The Ages of Faith.** Gregory VII. and the Affair of Investitures. The Crusades. The Papacy and the Empire. Innocent III and his Time. The 13th Century.

**Internal Development.** Monks, Friars and Orders of Knighthood. Mediaeval Sects. Religious and Social Life of the Laity. Mediaeval Art, especially Romanesque and Gothic Architecture. Ecclesiastical Studies. Scholasticism and the Mediaeval Universities.

## **Course II.—The Church During the Renaissance and Modern Times.**

Two lectures a week. Two Semesters.

**From 1307-1517. The Renaissance.** The Papal Exile at Avignon. The Great Schism of the West. The Pseudo-Conciliar Movement. The Council of Constance. The Popes of the Renaissance.

**The Religious and Moral Life of the Period.** The Fore-runners of the Reformation. Wycliffe and Huss. The Spanish Inquisition. Ecclesiastical Science and Literature. The Renaissance of Letters and of Art.



**From 1517-1618. The Religious Revolt of the XVIth Century.** Causes of the Reformation. Luther, Calvin and Zwingli. The Reformation in the North and the East of Europe. Calvinism in France, Scotland and the Netherlands. Henry VIII and Elizabeth.

**The Counter-Reformation.** The Council of Trent and its Reforms. The Papacy. Loyola and the Jesuits. Saints and Missionaries. The Great Modern Theologians. New Orders and Congregations. Literature and Art.

**From 1618-1789. The Age of Political Absolutism and Religious Disunion.** Protestant Sects. Gallicanism and Josephinism. The Penal Laws in England and Ireland. The Suppression of the Society of Jesus.

**Catholic Missions During the XVIIth and XVIIIth Centuries.** The Americas. The Reductions of Paraguay. Canada and Colonial America. The Decline of Theological Studies. Jansenism.

**From 1789-1870. The Nineteenth Century.** The French Revolution. Napoleon and the Church. The Civil Constitution and the Concordat. The Congress of Vienna. The Revolutions of 1830 and 1848. Piedmont and the Loss of the Papal States. The Church in America, especially in the United States.

**The Second Spring.** Catholic Emancipation. The Oxford Movement. The Catholic Revival in France and Germany. The New Scholasticism. New Orders and Congregations. Catholic Missions. Sacred Art. The Council of the Vatican.

### **Christian Archeology**

(Illustrated)

**Introduction.** Object of this Course. Concept, Division and Scope of Christian Archeology.

### **The Catacombs**

#### **I. History and Structure of the Catacombs.**

1. Origin, Purpose, Use, Decay and Rediscovery.
2. Structure, Location, Extent, Arrangement.

**II. The Art of the Catacombs.** The Views of the Early Church on Art. Symbolism and Allegory. The Use of Pagan Forms.

1. Architecture and Sculpture. Cubicula and Crypts, esp. The Papal Crypt. Subterranean Basilicas. The Statues of Hippolytus and The Good Shepherd. Sarcophagi.

2. Painting. Character, Contents, Technique. Periods of Cemetery Painting.

### **Christian Epigraphy**

#### **I. General Characteristics of the Inscriptions of the Catacombs.**

1. Pagan and Christian Forms. Language and Style.
2. The Dating of Inscriptions.
3. Content and Great Apologetic Value.

#### **II. Various Classes of Inscriptions.**

1. Doctrinal, and Hieratic Inscriptions.
2. Historic Inscriptions. Inscriptions Descriptive of the Life and Manners of the Early Christians.

### **The Art of the Patristic Age.**

#### **I. Early Christian Architecture. Prominence of Architecture.**

1. The Basilica. Its Original Form and Later Development.

2. The Circular Style. Baptisteries and Rotundas, e.g. The Lateran Baptistery.

3. The Byzantine Style. Its Origin, Characteristics and Spread. The Hagia Sophia at Constantinople.

#### **II. Painting and Sculpture. Views of the Fathers on Art.**

1. Sculpture. Sarcophagi. Diptychs, Bookcovers, etc.

2. Painting. Frescoes and Mosaics. Origin and Extraordinary Development of Mosaic Art. Byzantine Mosaics. Ravenna and Rome

## Patrology

**Introduction.** Concept, Scope and History of Patrology. Definition of Terms: Patrology, Patristics, History of Dogmas, Early Christian Literature, Father of the Church, Ecclesiastical Writer, Doctor of the Church.

**Ante-Nicene Fathers.** Views of the Early Christians on Literary Activity. General Characteristics of Early Christian Literature.

**I. The Apostolic Fathers, before 150 A. D.** "The Apostles' Creed." The Didache. The So-called Epistle of Barnabas. The Letters of Clement of Rome, Ignatius of Antioch, and Polycarp. Papias. Hermas. Diognetus.

**II. The Apologists of the Second Century.** Quadratus. Aristides. Justin the Martyr. Tatian. Athenagoras. Hermias. Minucius Felix, etc. Irenaeus of Lyons.

**III. The Third Century.** The Beginnings of Theology.

1. The Alexandrians. Clemens. Origen. Dionysius. Lucian, etc.

2. The Africans. Tertullian. Cyprian. Lactantius, etc.

3. The Romans. Hippolytus the Philosopher. The Muratorian Fragment.

**The Patristic Age.** The Phenomenal Development of the Theological Literature of this Period. Causes. Various Forms. General Characteristics.

**I. The Fathers of the East or the Greek Fathers.** Eusebius Pamphili. Athanasius. Basil the Great. Gregory of Nazianzus. Theodore of Mopsuestia. Didymus. John Chrysostom. Cyril of Alexandria. Theodoretus. Ephrem. John Damascene, etc. The Pseudo-Areopagite, or The Question of the Authenticity of the Writings of "Denis the Areopagite."

**II. The Fathers of the West or the Latin Fathers.** Hilary of Poitiers. Ambrose of Milan. Prudentius. Rufinus and Jerome. Augustine of Hippo. John Cassian. Fulgentius. Boethius and Cassiodorus. Venantius Fortunatus, Gregory the Great, etc.

**Conclusion.** The Decline of Patristic Literature.

### History of Dogmas

Two years course. Two periods a week.

**Course I. Development of Dogmas During the Patristic Period, 100-869.**

First Semester. Teaching of the Apostolic Fathers, of the Apologists, of the Antignostics. Formation of Greek and Latin Theology. Baptismal Controversy. Question of Penance. Arianism and the Council of Nicaea. Semi-Arian Controversy. Apollinarianism. The Macedonian Heresy. The Second General Council. Dogmatic Development during the fourth century. Pelagianism and Semi-Pelagianism. The Doctrine of Grace and Original Sin.

Second Semester. The Nestorian Heresy. The Third General Council. Eutychianism. The Fourth General Council. The Three Chapters. The Fifth General Council. The Monothelite Heresy. The Sixth General Council. Fifth-century Christology. General Theology. Veneration of Saints. Mariology. Eschatology. Veneration of Images. The Seventh General Council. The Filioque Clause. Spanish Adoptionism. The Photian Schism. The Eighth General Council.

**Course II. Development of Dogmas During the Scholastic and Post-Tridentine Periods.**

First Semester. Formation of Scholasticism. Method and System. Representative Scholastics. Their Teaching—On God: His Existence, His Essence, His Attributes. The Blessed Trinity. Creation. Angelology. Anthropology. Original Justice. Original Sin.

Second Semester. Christology. Soteriology. The Church. Grace. Justification. Predestination. The Sacraments. Mariology. Veneration of Saints. Eschatology. Mediaeval Heresies and Councils. The Reformation and the Council of Trent. Post-Tridentine Theology. School Differences. Later Heresies and Papal Decisions. The Vatican Council.

**Text-Book.** Manual of the History of Dogmas. B. J. Otten, S. J.



## Department V.

### SECTION I.—SACRED ELOQUENCE

The students of the Divinity School give serious and continued attention to the theory and practice of pulpit oratory. During the course of the year each student is required to elaborate a sermon on some given text, and, after it has been submitted for approval, to deliver it before his professors and fellow-students. In addition to this weekly gatherings are held, presided over by one of the professors, where, in turn, the students deliver choice selections from the great pulpit orators, or original developments of Scripture texts. The speakers are then criticised by their fellow-students and the professor concludes the exercise by a general summing up of the criticism offered.

### SECTION II.—ECCLESIASTICAL MUSIC

#### Plain Chant

**Third Year.** Second Term. One hour a week.

Elements and characteristics of modern musical theory. Introduction to the theory and practice of Gregorian chant. Voice culture. Sight reading.

This course is mainly practical. Its object is to give facility in reading and properly rendering the liturgical chant occurring in the service of the Catholic Church.

TEXT-BOOK: New School of Gregorian Chant—Johner.

#### The University Choir

A choir of about twenty-four voices, from the Theological and Philosophical Departments, takes charge regularly of the singing at all solemn services in the University chapel. At the Holy Week services in the church and on special occasions the choir is assisted by from thirty to forty additional voices.

Graduate  
School of Philosophy  
and Science

## Graduate School of Philosophy and Science

### Officers

REV. WILLIAM F. ROBISON, S. J., Ph. D.,  
President of the University.

REV. JAMES I. SHANNON, S. J., A. M.,  
Regent.

REV. FRANCIS J. O'BOYLE, S. J., A. M.,  
Dean.

REV. HUGO F. SLOCTEMYER, S. J., M. S.,  
Vice-Dean.

## Introductory Statement

The courses of the Graduate School of Philosophy and Science extend over three years, and may be classed under two heads: 1. Rational Philosophy and Ethics; 2. Science and Mathematics.

The courses of the second and third years are entirely graduate in character. The courses of the first year are practically all of such a nature that credit for them towards a graduate degree can be and is given to those who have already obtained their undergraduate degree.

### Department of Philosophy and Ethics

The subjects of this department have ever been regarded as the crown of systematic education, Philosophy giving and demanding the highest mental culture, and Ethics furnishing the rational basis of moral conduct. A brief examination of the following outline will show that the purpose of these courses is definite and positive, not solely the study of the history of philosophy and the vagaries of human thought without solid inquiry into the truth or error of the divergent philosophical opinions or theories. The history of philosophical schools and their adherents is adequately considered, but is rated as of secondary importance. The primary object is to sift the truth from error in all opinions and from the knowledge thus acquired to build a consistent system of principles of thought and action.

The strict scholastic method, as perfected by St. Thomas and the schoolmen, is followed. In orderly sequence the various opinions on any subject are examined, the false and the true are discriminated, the error and its source are laid bare, the arguments for the false opinions are refuted, the



truth is expounded and established. This work is supplemented by the scholastic exercise known as the "Circle." A "Defender" proposes a thesis which has been established in the manner described, gives an exposition of its meaning, describes the contrary opinions, proves his own proposition by argument, and then defends his thesis against "Objectors" who urge the difficulties of dissentient philosophic schools. At regular intervals there are public disputations as an incentive to thoroughness and an aid to the acquisition of self-reliance.

### Department of Science

Realizing the importance of science and mathematics in a liberal education, the University requires its students of Philosophy to pursue courses in mechanics, physics, chemistry, biology, geology, astronomy and higher mathematics, as indicated below. Every facility is offered for thorough laboratory work.

### Degrees

The Graduate Degrees to which the courses lead are those of Master of Arts and Master of Science.

#### Requirements for the A. M. Degree:

1. The candidate must have an A. B. degree from an institution of good standing and must devote one year exclusively to resident graduate study, completing at least twenty-four semester hours.

2. The work must be done in one or two departments, and must ordinarily embrace one principal and one or two secondary subjects. It must involve concentrated work in some special field of study in such subjects as Philosophy, History, Economics, Mathematics, Physics, Chemistry, Biology. Advanced courses given in the professional schools of St. Louis University will be accepted in partial fulfillment of

requirements for the A. M. degree, but under no circumstances may a candidate count these same courses toward a professional degree.

3. The candidate must pass a satisfactory examination in all the subjects studied.

4. He must present a typewritten or printed thesis in his major subject. This essay must be on a subject approved by the professor in charge of the major subject and must be completed and submitted at least four weeks before the time of the final examination. Two referees will then be appointed to examine the essay and present a written report upon it.

The degree of Master of Science, M. S., is conferred under the same conditions as above when the major subject of study has been scientific.

Requirements for the degree of Doctor of Philosophy—Ph. D.:

The degree is conferred on one who, having previously received the Bachelor's degree from an institution of good standing, satisfies the following requirements:

1. At least three years of resident graduate work in pursuance of an accepted course of study. The course in question must include one principal and one or two secondary subjects. A reading knowledge of French and German is a prerequisite.

2. A satisfactory examination upon the work done in preparation for the degree.

3. The presentation of a satisfactory printed thesis. Since the chief consideration in the candidate is that he be able to produce valuable and original work, his thesis must embody a real contribution to science.

4. Such knowledge of subjects considered fundamental as may be prescribed by the several departments.

## Outline of Courses

### Department I.—Philosophy and Ethics

#### SECTION I.—RATIONAL PHILOSOPHY

##### First Year

##### Logic and Ontology

Ten lectures a week. Seminar, two hours a week.

##### Minor Logic

Definition and division of Philosophy. The province of formal and material logic. Three acts of the mind.

**Simple Apprehension.** Classification of ideas. Subordination of genera. The heads of predicables. Classification and use of terms. Definition. Nominal definition. Real definition. Rules for definition. Division.

**Judgment. Propositions:** their nature and division. Opposition, conversion and equivalence of propositions.

**Reasoning.** Syllogism and its laws. Figures and modes of the syllogism. Various kinds of syllogisms. Nature and kinds of demonstration. Example and analogy. Analysis and synthesis. Fallacies. Science.

##### Major Logic

**Truth.** Definition of truth. Truth completely possessed in the judgment only. Logical falsity. Ideas never false. Judgments may be false.

**Certitude.** Nature of certitude in general. Ignorance, doubt, suspicion, opinion, probability. Metaphysical, physical and moral certitude. Natural and philosophic certitude. Universal skepticism. Methodic doubt. The primary principle, fact and condition of all knowledge.

**Sources of Certain Cognition.** Consciousness. The senses. Ideas. Objectivity of ideas. Criticism of Kant's synthetic "a priori" judgments. Intellect. Reason. Memory. Human testimony and belief. Historical criticism. Auxiliary sciences of history. Processes of indirect research. Textual criticism.

**Universals.** Nominalism. Conceptualism. Ultra-Realism. True doctrine on universals, as explained by St. Thomas.

**Criterion of Truth.** Blind impulse to believe. Sentimentalism. Traditionalism. Objective evidence.

### Ontology

**Being.** The concept of being. Being neither a generic nor a universal notion. Analogousness of being. Essence and existence. Possibility, internal and external. The possible precedes the actual. Internal possibility depends, not on God's will or on His omnipotence, but on His essence and intelligence.

**Attributes of Being.** Unity. Individuality, identical with concrete nature. Identity and distinction. Truth of being. Goodness of being. How and why every being is good. Evil in being a privation.

**Notions next in point of generality to Transcendental Being.** Substance. The reality of substance defined. False definitions of Locke, Spinoza, and Leibnitz. Accident, absolute and modal. Accidents really distinct from their substance. Accidents existing without substance. Substance as hypostasis and personality. Wrong and dangerous doctrine of Locke in regard to personality. Relation. Causality. Kinds of causality. Principle of causality.

**The Perfection of Being.** Simple and compound being. Necessary and contingent being. Finite and infinite being. Order and beauty.



## Second Year

### Cosmology and Psychology

#### Cosmology

Four lectures a week. Seminar, one hour a week.

**Origin of the World.** Pantheistic Theories; Materialistic Views; Possibility of Creation; Fact of the World's Creation in Time.

**Laws of Nature.** Reality of Activity in Inorganic Bodies. Design in Nature. Intrinsic Final Tendencies of Natural Bodies. Contingency of Physical Laws. Nature, Possibility and Cognoscibility of Miracles.

**Theory of Matter and Form.** Atomism, Dynamism, Substantial Changes; Matter and Form. Nature and Properties of Primal Matter and of Substantial Form. The Compound.

**Nature and Properties of Inorganic Bodies.** Quantity, Continuity, Formal Effect of Quantity. Space and Place. Time, Eternity, Eternity. Sensible Qualities of Corporeal Substances.

**Existence of Bodies in Space.** Reality of Existence of Bodies in Space; Circumscriptive, Definitive and Mixed Existence of Bodies in Space; Compenetration and Replication.

#### Psychology

Six lectures a week. Seminar, one hour a week.

**The Problem of Life in General.** Characteristics of living and non-living matter. Mechanical theories of life. Vitalism, Neo-Vitalism. The scholastic doctrine.

**The Structure and Functions of the Nervous System of Man.** The General Arrangement of the nervous system. Nerves. The peripheral end-organs. The spinal cord. The brain.

**The Reflex Mechanism and Its Bearing on Psychological Problems.** The facts of reflex action. Their purposive character and the so-called objective criterion of mind. Reflexes and voluntary actions, sensori-motor and ideomotor actions, expressive movements, instinctive and impulsive actions. The physical basis of habit. The automaton theory. The principle of conservation of energy and mental control over bodily actions.

**The Localization of Functions in the Brain.** History of the problem. Modern methods and results. Motor and sensory areas. The so-called "silent areas." Speech centers. The various forms of aphasia. Acquired functions. The process of learning. Problems of child-psychology.

**Sleep and Dreams.** History of the problem. Various theories of sleep; its physiological and psychological significance. Experimental investigation of dreams.

**Hypnotism.** The facts and the various theories. The so-called hypnosis of animals.

**Nature and Kinds of Sensations.** Classification of the senses. External and internal senses. Mueller's, Weber's and Fechner's laws. Experimental investigation of association and memory. The Associanist school. Experimental investigation of the various sensations. Space perception and modern theories on the subject. The scholastic doctrine concerning sensation.

**Emotions.** Experimental investigations and the scholastic doctrine.

**Intellectual Life.** Theories of psychic elements in the light of the psychological experiment. Methods of investigation. The work of the Wurzburg school. Essential distinction between intellect and sense. The scholastic doctrine in the light of physiological and experimental data. Sensationalists, Associanists, Materialists, Monists, Psychophysical Parallelists, Positivists, Empiricists, Evolutionists. Brutes have no reasoning power.

**The Three Elements of Intellectual Life.** Simple apprehension, judgment, and reasoning. The objects, primary and secondary, of the intellect.

**The Origin of Ideas.** Theory of innate ideas; Plato, Descartes, Leibnitz, Rosmini, Cousin, Fichte, Hegel, Schelling, Kant. Ontologism; Malebranche, Gioberti, Ubaghs. Traditionalism; De Bonald, Bonnetti, Ventura. The scholastic Aristotelian doctrine. The process of abstraction; the scholastic doctrine in the light of modern investigations.

**Judgment and Reasoning.** The scholastic doctrine. Experimental analysis of the judicial process; assent and consent. Analysis of Ratiocination. Deduction and Induction. Implicit reasoning.

**The Will.** Its essential difference from the sensitive appetite. The object of the will. Motives. Deliberation. Necessary and free acts.

**The Nature of Free Will.** The conditions of free choice. The experimental evidence. Moral aspect of free will. Free Will, the necessary complement of man's rational nature. The various forms of Determinism. The impediments of free choice. The perversions of the will; crime and insanity.

**The Human Soul.** The substantiality of the soul and the so-called "actuality theory." The stream of consciousness. The perception of abiding identity of the Ego. The simplicity of the soul and the recent advances in nerve-physiology. The spirituality of the human soul. The argument from the perception of abstracts and universals. Modern nominalism. The argument from perfect psychological reflection. The argument from free will.

**Union of Soul and Body.** Aristotelico-Scholastic doctrine. Descartes' doctrine on the seat of the soul. Doctrine of Plato, Malebranche, Locke, Rosmini, etc. Modern theories of "interaction" and "psycho-physical parallelism."

**Origin of the Human Soul.** Traducianism. The scholastic doctrine.

**Immortality of the Human Soul.** The natural immortality of the human soul proved from its spirituality. Its actual immortality. Ethical and teleological arguments. The universal belief of mankind and its value as an argument.

### Third Year

## Natural Theology and Special Lectures

### Natural Theology

Four lectures a week. Seminar, two hours a week.

**The Existence of God.** Views of the Monotheistic Philosophers on the natural foundation of a reasonable belief in God. Refutation of so-called Ontological arguments. St. Anselm's argument.

Proofs of the existence of an Intelligent First Cause or Personal God. The metaphysical, physical and moral *a posteriori* arguments.

**The Essence of God. His Attributes:** Infinity, Unicity, Simplicity, Immutability, Eternity, Invisibility, Incomprehensibility.

**Cognition of God.** Its objects, primary and secondary. His cognition of the Possibles, of necessary and free future acts, of the Futuribles.

**The Will of God.** Its objects, primary and secondary. Necessary and free objects. His Will, the Principle of Creation. The Creative Power can in no sense be shared by Creatures.

Divine Preservation and Concurrence. Divine Providence and its relation to existing evil. Scholastic differences as to the manner in which God concurs with creatures.

### Special Lectures

A more thorough study of questions selected from the different parts of Philosophy and of special importance because of their connection with both Moral and Dogmatic Theology.



## Historical Courses

### History of Philosophy

Two hours a week. Two Semesters.

The logical, metaphysical and ethical problems discussed in the three-year course of Scholastic Philosophy are studied in their historical setting. Special stress is laid on an historical appreciation of *modern* philosophical thought, in particular of *Neo-Scholasticism* and *Neo-Kantism*.

### History of Christian Art.

(Illustrated)

One hour a week during the second semester.

The scope of this course is to show the development of art under the influence of Christian principles. It confines itself to architecture, painting and sculpture, and comprises the following topics:

**Architecture.** The Basilica and Rotunda. The Byzantine Style. The Romanesque Style, called Lombard in Northern Italy and Norman in England and Normandy. The Gothic Style, especially in France, England, Germany and Spain. The Renaissance, Baroque and Classic Styles. Church Architecture of the Nineteenth Century.

**Painting.** Early Christian Painting, Frescoes, Mosaics and Miniatures. Irish Illumination. Painting during the Romanesque and Gothic Periods. Stained Glass and Easel-Pictures. The Italian Renaissance; the Trecento and Quattrocento. The Schools of Tuscany, Umbria and the North. The High Renaissance: da Vinci, Michelangelo, Raphael. The Renaissance beyond the Alps. The Decline of Painting. The Italian, Flemish, Dutch and Spanish Schools of the XVIIth and XVIIIth Centuries. The Revival of Sacred Art in the XIXth Century. The Nazarenes and Pre-Raphaelites.

**Sculpture.** Early Christian Sculpture: Sarcophagi. Ivories, Statues. The Byzantine Influence. Early Mediaeval Reliefs and Carvings. The Plastic Work of the Romanesque Period. Gothic Statuary and Foliage. Nicolo Pisano and the Revival of Sculpture. The Renaissance: Ghiberti, Donatello, della Robbia, Verrocchio, Michelangelo. Sculpture during the XVth and XVIth Centuries North of the Alps. The Decline of Religious Sculpture during the XVIIIth Century and its Revival during the XIXth.

## SECTION II.—ETHICS.

Four lectures a week, two semesters.

Seminar, two hours a week.

**General Ethics**

**Ultimate End of Human Activity.** Innate desire of happiness; its value in proving the existence and conditions of a future life. In the purely natural order the ultimate end of human life is perfect natural happiness, consisting necessarily in a relatively perfect knowledge and love of God in the life to come. Supreme purpose of the present life, to shape conduct according to the exigencies of the higher destiny towards which man is tending.

**Human Activity.** Man, like every other being, attains to his end by acting conformably to his specific nature. A study of human activity. Human acts voluntary. Voluntary acts, considered in their physical nature, require an act of the will guided by a knowledge of the end for which the act is performed. They are modified or nullified by ignorance and passion. Voluntary acts studied in their normal nature. What acts can be called strictly moral acts. Essence of morality. Intrinsic difference between good and evil. Rule of morality and sources from which moral good and evil are derived.

**The Law of Nature.** In addition to the faculty of knowing right from wrong, man understands clearly that he is obliged to do the one and to avoid the other. General notions of law. There is a law existing in the mind of God from eternity. Through creation this eternal law is promulgated in man's rational nature. Proofs of the existence of a natural law, its scope and its properties. Relation of positive law to the law of nature. Analysis of the idea of obligation.

**Rights.** Man by reason of his social nature needs protection in the exercise of his liberty. Rights as distinguished from physical force. There are rights granted by nature

which are valid independently of all positive legislation. The juridical order is not separate from the moral. The relation of man to the lower animals; vivisection.

### Applied Ethics

**Duties.** Duties of man towards God. Duties of man towards himself, (a) towards his body, (b) towards his soul, (c) towards external things. Duties of men towards each other.

**Right of Defense.** A lie is intrinsically evil and in all cases prohibited. Man may defend his life to the extent of destroying the life of an unjust aggressor, if the proper conditions be verified. Under the law of nature every man has a right to his honor and good name; this right, however, cannot be defended by acts of external violence; consequently the duel is prohibited by the law of nature.

**The Right of Property.** Various forms of socialism. Socialism not a remedy for existing social and economic difficulties. The right of acquiring and holding private possessions is a natural one.

### Social Ethics

**Domestic Society.** Man by nature a social being. This social tendency develops first in domestic society. The nature and necessity, the end, obligation, unity, indissolubility of matrimony. Duties of parents and children in the family. The social instinct in man further develops itself in civil society.

**Civil Society.** Origin and efficient cause. Origin of authority. End of civil society; false opinions. Rights and duties belonging to civil authority; its supervision over morality, over religion in the natural order. Relation between Church and State. Right of the State in the matter of education. Education a parental right primarily. Relation of public authority to economic and social questions.

Various ways by which political power may be transmitted ; heredity, election, victory, prescription.

**Forms of Government.** Their division, advantages and defects. That form best which seems most adapted to the character of the governed.

**Functions of Authority.** Legislative power, its necessity and scope. Executive power. Its duties in foreign representation ; in procuring peace and security at home ; in advancing morality, the arts and sciences.

**Judiciary Power.** Its necessity ; its rights in civil and criminal cases. Capital punishment.

**International Relations.** Treaties. War.

### Pedagogy.

**Course I.** An analytic study of the mental, moral, religious, and physical elements of education, special stress being laid upon the all-important work of forming the character of the student ; the bearing of philosophy in general, and of psychology and ethics in particular, upon sound pedagogics ; the influence of personality upon the professional effectiveness of the teacher.

Required of all. One period a week ; two semesters.

**Course II.** General Principles of Teaching ; School Management. The three aims : Instruction, Training, Culture. Difference between College and High School teaching ; developing initiative ; Laboratory Methods as applied to Literature and History ; Class Room Organization ; Teacher's Record Books ; Examinations ; Minimum requirements and their significance ; etc.

One period a week ; two semesters.

**Course III.** The Pedagogy of English and History :

ENGLISH. General aims and purposes ; Methods of handling in High School and College ; Separate Studies in han-



dling classics: Drama, Essay, Oration, Poetry, Fiction; Teaching Composition; Themes, Original Work, Plans, Reports, etc.; Oral English; Public Speaking.

HISTORY. General Aims; Methods of handling; Economic, Political, National, Geographical, Centrifugal; Cause and Effect; Relationship; Perspective; Original research; etc.

One period a week; two semesters.

**Course IV.** The Pedagogy of Latin and Greek and Modern Languages:

CLASSICS. General Aims; Culture vs. Mind Training; High School work vs. College work; Insistence on Value for Life; Theme work; High School Classics; College Classics; Research; Collateral Information; Inspirational teaching; Study in its influence on Modern Literature; Collation with other branches.

MODERN LANGUAGES. Purpose and Aims: Practical vs. Academic; Literature vs. Life; Reading and Speaking; Methods; Logical, Direct, Saturation by Reading; Theme Work; Reading Methods; Literature study; Conversational study; Modern innovations: French Houses, Saturation through conversation, etc.

One period a week; two semesters.

**Course V.** The Pedagogy of Algebra and Geometry.

ELEMENTARY ALGEBRA. Methods: Relative Values of Operations and Problems; teacher's demonstration and students' reproduction of processes; etc. Stress laid upon facility in manipulation.

One period a week; first semester.

PLANE GEOMETRY. Value of order in proof building; the grouping of propositions, e. g., around isosceles, similar, right-angle triangles, or around circle. Immediate reproduction of proofs stressed.

One period a week; second semester.

**Course VI.** Pedagogy of Biology, Chemistry, and Physics. Purposes of College and High School science; General Methods; Lectures without demonstration; Lectures with demonstration; Socratic method; Relation of Laboratory work to lectures; Laboratory methods for different sciences; Problems; Methods of correcting and recording submitted work; the art of questioning; Lesson-planning; Practice teaching and observation work.

One period a week; two semesters.

### **Course in Languages**

Three hours a week during both semesters.

This course is supplementary to the study of the classics as pursued in the Normal Department of the University. It supposes, therefore, a knowledge of Latin and Greek Grammar, and aims at a more intimate acquaintance with the philosophical and historical works of antiquity. The reading of prose is varied, however, occasionally by the study of some poetical work, for instance, of Horace or Plautus, Sophocles or Aeschylus. Special stress is laid on the study and practice of style. The course concludes with a conspectus of Latin and Greek Literature.

### **Hebrew**

**First Year.** Hebrew Grammar with suitable exercises. Two hours per week. Two semesters.

**Second Year.** Select readings from the Bible. One hour per week. Two semesters.

**Third Year.** Composition. One hour per week. Two semesters.

### **Post-Graduate Elocution**

One hour a week.

The class supposes a training in the elementary exercises of voice culture and expression, and aims at the practical application of these exercises to the selections studied.

Emphasis and modulation of voice and naturalness in delivery receive special attention. The different interpretations which may be admitted are considered.

## Department II.—Mathematics and Science

### Mathematics.

**Course I.** A brief review of ALGEBRA, GEOMETRY and TRIGONOMETRY from the standpoint of the teacher of these subjects. Special attention is paid to the logical basis of the various topics and the ends to be sought in teaching them.

**Course II.** ANALYTIC GEOMETRY. Two hours a week: one semester.

**Course III.** DIFFERENTIAL and INTEGRAL CALCULUS. Two hours a week: one semester.

**Course IV.** DIFFERENTIAL and INTEGRAL CALCULUS, advanced, with applications to the sciences. Five hours a week: two semesters.

**Course V.** DIFFERENTIAL EQUATIONS. Five hours a week: two semesters.

**Course VI.** VECTOR ANALYSIS. Two hours a week: one semester.

### Physics.

**Course I.** A course in GENERAL PHYSICS, with special attention to fundamental principles and their logical connection. Prerequisite: Plane Trigonometry. Lectures, experimental demonstrations and recitations, five hours a week; laboratory two hours a week: two semesters.

**Course II.** Advanced and more mathematical treatment of mechanics, molecular physics, light and heat. Must be preceded or accompanied by a course in Calculus. Prerequisite: Course I. Lectures four hours a week; two semesters.

**Course III.** ELECTRICITY and MAGNETISM: RADIO-ACTIVITY: the ELECTRON THEORY. Prerequisite: Course I and the Calculus. Lecture four hours a week: two semesters.

**Course IV.** Advanced laboratory measurements in mechanics, molecular physics, light and heat. Includes some lectures on the theory of physical measurements and measuring instruments and the computations of results. Six hours a week: two semesters.

**Course V.** Advanced laboratory work in Electricity and Magnetism. Six hours a week; two semesters. Prerequisite: Course III.

**Course VI.** Electric oscillations and electromagnetic waves; radio communication. Lectures two hours a week: one semester.

### Chemistry.

**Course I. GENERAL CHEMISTRY:** Primarily for students of Philosophy preparing for advanced work in chemistry. Lectures, two hours a week; laboratory, four hours a week. In the lectures descriptive inorganic and organic chemistry are presented, together with a thorough discussion of the fundamental principles of the science and their application. The laboratory work consists of experiments and preparations of such a nature as to give the student an experimental knowledge of the subject-matter of the lectures. Two semesters.

**Course II. QUALITATIVE ANALYSIS.** Six hours a week: one semester. Prerequisite Course I.

**Course III. QUANTITATIVE ANALYSIS.** Lectures and Laboratory; eight hours a week: one semester. Prerequisite Courses I and II.

**Course IV. ORGANIC CHEMISTRY.** Prerequisite Courses I and II. Lectures two hours a week; laboratory four hours a week: one semester.

### Geology

The general principles of dynamical, structural and historical Geology. Two hours a week: one semester.

### Astronomy

A course dealing with fundamental facts, principles and methods. Two hours a week: one semester.

### Biology

**GENERAL BIOLOGY**—Fundamental principles; general Physiology. Lectures two hours a week; laboratory two hours a week: one semester.





# College of Arts and Sciences

## College of Arts and Sciences

### Officers

REV. WILLIAM F. ROBISON, S. J., A. M., Ph. D.,  
President of the University.

REV. CHRISTOPHER J. KOHNE, S. J., A. M.,  
Dean.

REV. HENRY A. HERMANS, S. J., A. M.,  
Assistant Dean.

REV. CHARLES T. HOFFMAN, S. J., A. M.,  
Treasurer.

## Introductory Statement

### Scope

The purpose of St. Louis University in its Undergraduate Department is to educate in the completest sense, that is, to develop fully and harmoniously the faculties of the whole man—intellectual, moral and physical. It assumes that on this harmonious development will depend the character of the students and the measure of their future utility to themselves and to the community; and it aims to give that solid training of both mind and heart which will make for this development and will fit the student for the just interpretation and use of life.

In the **intellectual training** of its undergraduate students the institution aims at laying a solid foundation in the elements of knowledge and at opening the mind to a generous share in the culture of life. For this reason the studies are chosen each for its distinct and peculiar educational value and as a part in a complete and nicely adjusted system. The studies are so graded and classified as to be adapted to the mental growth of the student and to his orderly acquisition of knowledge.

It is one of the decided advantages of the system followed in the University that the student in the Classical, Scientific or English Course may begin his studies in the High School, and then pass on through the college course to graduation in the same institution. This secures, besides the moral influence thus gained, a uniform and homogeneous course of teaching and of training. The result of such a course of study is a continuous and normal development of the mental faculties along well defined lines, and the possession of a clear and coherent system of principles upon which any special course may afterwards safely rest.

In its **moral training** the University aims at building the conscience of its students for the right fulfillment of their civil,



social and religious duties. There is insistence on the cultivation of the Christian virtues which operate for this fulfillment; and, as religion is the only solid basis of virtue and morality, thorough instruction in the religious principles forms an essential part of the system. Students of any denomination are admitted to the courses, and all are required to show a respectful demeanor during the ordinary exercises of public prayer; but the Catholic students are required to attend the classes in Christian doctrine, to be present at the chapel exercises, to make an annual retreat, and to approach the sacraments at least once a month.

### High Schools

The better to secure the results aimed at in its educational work, and to arrange a more perfect co-ordination between High School and Collegiate studies, the University has deemed it advisable to maintain a closely affiliated system of High Schools. Their purpose is to fit their pupils to meet the College entrance requirements by offering a programme of studies based upon those fundamental principles and methods which, in the judgment of the Faculty, underlie alike the work of the High School and the College. At present these schools number two: the Academy of St. Louis University, situated at No. 221 N. Grand avenue; Loyola Hall, Compton and Eads avenue. Catalogues, containing the Course of Studies and other information, may be had on application to the respective Head Masters.

### English Commercial Course

At the request of patrons of the Institution a Commercial Course was established in the Academy of St. Louis University, situated at No. 221 N. Grand avenue. The purpose of this Course is to impart a solid general education, together with the special instruction proper to a Commercial High School. The ultimate development of the English Commercial Course has been realized in the graduate School of Commerce and Finance.

### Registration.

New students must make application for admission to the Registrar, and must file permission to register with him. A student will not be registered without *official* entrance records. Students entering from other colleges should first see the Chairman of the Committee on Advanced Standing.

Former students in good standing, after having paid their fees, will proceed to the Dean to arrange their schedule for the semester.

### Testimonials and Credentials.

All applicants for admission to the College must present satisfactory testimonials of good moral character. A student entering from another college or institution of collegiate rank, must furnish from such institution a certificate of honorable dismissal before his credentials for scholarship will be examined by the Entrance Board.

### Entrance Requirements.

Candidates for admission to Freshmen year must present entrance credits amounting to fifteen units representing four years of high school work. A unit is a series of recitations or exercises in a given subject pursued continuously throughout the school year. The number of class exercises required in a week for each unit shall, in general, be five. Double periods are required for laboratory courses.

Not less than a full unit will be accepted in the first year of any language. Half-units will be accepted, but only when presented in addition to integral units in the same subject, or in half-year subjects which constitute a *complete* course in themselves, e. g., Solid Geometry. Any two of the biological sciences (Physiology, Botany, Zoology) may be combined into a continuous year's course equal to one unit.

## I. Prescribed Entrance Requirements

(a) For the A. B. Degree		(b) For the B. S. Degree	
English .....	3 units	English .....	3 units
Mathematics .....	2 units	†Mathematics .....	2.5 units
*Latin .....	4 units	*Foreign Language .....	2 units
History .....	1 unit	History .....	1 unit
Science .....	1 unit	Science .....	1 unit

## II. Electives.

The remaining four or five and one-half units may be selected from any subjects counted towards graduation in an accredited or recognized high school, with the following restrictions:

(a) No subject may be presented for less than a half unit of credit, as explained above.

(b) Not more than one unit will be accepted in any vocational subject counted toward graduation in an accredited or recognized high school.

(c) Vocal music and physical training will not be recognized for credit.

## Conditions.

A condition of not more than *one unit* may be allowed to a candidate ranking above the lowest quarter of his high school class; but no condition is allowed in the *prescribed* English, Algebra or Geometry.

(a) This remaining unit may represent work not offered at entrance, and is in that case a real *deficiency*. Such students are considered as deficient students and must remove this deficiency during their first year of residence.

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\*Students presenting full fifteen units without the prescribed four units in Latin or without the prescribed two units in foreign language will be given an opportunity to make up these requirements during the first two years at college.

†Candidates for the B. S. degree who present fifteen units, but only two units in Mathematics, may be admitted with the obligation of supplying the other half unit during Freshman year.

(b) Students offering the required number of units may fall slightly below the passing grade in one unit of work. Such students are considered as *conditioned* and must stand an examination for the removal of this condition during the Freshman year.

The work of the first year must be so arranged and so limited in amount that all conditions shall be removed and all deficiencies made good *promptly*. Deficient and conditioned students must, therefore, submit their course of study for approval to the Dean of the College.

## METHODS OF ADMISSION

### Admission by Certificate.

Admission without examination *on certificate* is granted to students from approved secondary schools as follows:

1. Secondary schools accredited by any recognized standardizing agency.
2. Secondary schools accredited by the State of Missouri.
3. High schools of the *first grade* in other states, which are so rated by the State Superintendent of Public Instruction.
4. Private schools and academies, not on any list, but approved, after investigation, by a vote of the Faculty of St. Louis College of Arts and Sciences.

Credentials which are accepted for admission become the property of the College and are kept permanently on file. All credentials should be filed with the Registrar. They should be mailed at least one month before the beginning of the semester, in order to secure prompt attention. Compliance with this request will save applicants much inconvenience.

Blank forms of entrance certificates, which are to be used in every case, may be had on application to the Registrar.



Certificates must be made out and signed by the Principal or other recognized officer of the school and mailed by him directly to the Registrar.

No certificate will be accepted unless the holder has spent the last year of his high school course in the school issuing the certificate. A catalogue of the school, if published, describing the course of study in detail, should accompany the certificate.

It is expected that the principal will recommend not all graduates, but only those whose ability, application and scholarship are so clearly marked that the school is willing to stand sponsor for their success at college.

The certificates should fully cover the entrance requirements of the College. Admission on school certificates is in all cases provisional. If, after admission to the College, a student fails in any subject for which a school certificate was accepted, credit for that entrance subject may be canceled.

### **Admission by Examination.**

Applicants who are not entitled to enter *on certificate* must take the entrance examinations in the entire number of required units listed on page 248. These examinations are held during the last week in June and the first week in September. The applicant may divide the examinations into two parts, taking as many as possible in June, and the remainder in September. An examination in which the applicant has failed in June may be taken again in September.

### **Admission to Advanced Standing.**

College credit for work done in a secondary school in excess of the requirements for admission can be given only on examination provided through the Dean's office, and on the basis of four semester hours of credit for one unit of high-school work.

Candidates for admission from other institutions of collegiate rank, which offer the same or equal courses of study as those at St. Louis College, will be granted the same standing as the former institution upon presenting in advance of registration:

1. A certificate of honorable dismissal.
2. An official transcript of college credits, with specifications of courses and year when taken, hours and grades.
3. An official certified statement of entrance credits and conditions, showing the length of each course in weeks, the number of recitations and laboratory exercises each week, the length of recitation and the mark secured.
4. A marked copy of the catalogue of the college previously attended, indicating the courses for which credit is desired.

No student will be admitted to the College as a candidate for a degree after the beginning of the first semester of the Senior year.

### **Special Students.**

Mature and earnest students who are either lacking in the required entrance units or who wish to pursue particular studies without reference to graduation, may be admitted with the permission of the Dean, to such courses of their own choice as they seem qualified to undertake.

The work thus done by special students cannot be counted later on toward a degree at St. Louis College unless all entrance requirements have been satisfied.

### Expenses

As the institution is not endowed, it is entirely dependent for its support on the fees paid for tuition.

Matriculation Fee (paid but once).....\$ 5.00

COLLEGE:	Tuition, for all classes ten months.....	100.00
	Physics, lecture-room and laboratory fee.....	15.00
	Chemistry, lecture-room and laboratory fee...	15.00
	Biology, lecture-room and laboratory fee.....	15.00
	Mechanical Drawing .....	15.00
	Diplomas for Graduates in the Collegiate, Scientific and Graduate courses.....	10.00
	Conditioned examinations, each.....	1.00
	Conditioned examinations, if taken on any other than the day assigned, each.....	2.00
	Students' Tax .....	10.00

Moreover, a deposit of \$5.00 is required of each student in the Science Classes, to cover breakage or loss of articles used in the laboratories. This amount, less the cost of the above items, will be returned to each student at the end of the session.

When possible the loss or breakage of articles in the laboratories is charged to the student who is responsible; but in some cases it may be divided among a class or group of students if the Dean considers such procedure just. The purpose is to make every student a guardian of the property used in the laboratory.

Payments for conditioned examinations must be made invariably before the examinations. Payments for tuition (etc.) must be made semi-annually in advance. The account for tuition dates from the day of the student's entrance. No deduction is allowed for absence, except in case of dismissal or protracted illness. The session is divided into semesters, beginning respectively on the opening day of the academic year and the 1st of February.

## CURRICULUM

The College Course extends through four years and embraces instruction in the Departments of Religion, Philosophy, Economics, Political Science, Sociology, Education, Language, Literature, History, Science and Mathematics. The aim of the course is to give the student a complete liberal education, which will train and develop all the powers of the mind, and will cultivate no one faculty to an exaggerated degree at the expense of the others. The college ideal is not to foster specialization, but to cultivate the mind, to build up and strengthen true character, and to impart that accuracy of thought and reasoning and that breadth of view which must ever be the foundation as well of more advanced scholarship as of eminence in the professions or other stations of life.

## REQUIREMENTS FOR GRADUATION

### Amount of Work.

In order to receive a degree, a student is required to complete 128 semester hours of work, three-fourths (ninety-six hours) of which must be of C grade or better.

The requirements for graduation include:

1. A certain amount of prescribed work, especially in the freshman and sophomore years;
2. A major and two minors, to be taken chiefly during the junior and senior years; and
3. Free electives, which afford opportunity either for broader culture or for greater specialization as the student may choose.
4. At least the Senior year in residence, at St. Louis College.

The *semester hour* is the unit or standard for computing the amount of a student's work. A semester hour is defined as one lecture, recitation or class exercise, one hour in length



per week, for one semester. Two hours of laboratory work are equivalent to one recitation hour. Two hours of preparation on the part of the student is required for each hour of lecture or recitation.

Regular work for Freshmen is *sixteen* hours per week. For all other it may be from *fifteen* to *eighteen* hours. No candidates for a degree will be allowed to register for fewer than twelve hours of work.

No Freshman may register for more than sixteen hours without special permission of the faculty, and such registration is not allowed to any student in his *first semester of residence*.

In case of students of longer attendance, advisers may grant permission to take studies up to eighteen hours a week after the standing of the student in *each study* of the semester is examined and found to be B (85) or over.

Students who drop a study without permission will be marked F on the Registrar's books. If a student is permitted at his own request to drop a course after attending the class for five weeks or more, he will be given a grade of F, which will become a part of the permanent records just as if he had failed at the end of the course.

No credit will be granted any student for more than forty hours in any department, including credits earned in the freshman year, except:

1. When a student is writing a thesis, he may count in addition to the forty hours, the hours of the course in which he does his thesis work.

2. In the department of English, a student may take forty hours in addition to Rhetoric 1—2.

## Quality of Work.

### Grades.

A student's grade of scholarship in each of his subjects is determined by the combined results of examination and class work.

ABOVE PASSING	BELOW PASSING
A 93—100, Excellent	E 60—69, Conditioned
B 85— 92, Good	F 0—59, Failed
C 77— 84, Fair	I—Incomplete*
D 70— 76, Passed	X—Absent

These grades are not given out to the students by the professors, but are regularly issued from the office of the Dean of the College.

Any student who desires to remove an Incomplete, must first obtain from the Registrar, a blank form for presentation to the instruction in charge of the course. This blank when signed, must be filed with the Registrar *within one week* from the time of the semester examination. A fee of \$1.00 is charged for blanks obtained after the specified time.

## Character of Work

### 1. SUBJECT REQUIREMENTS

#### (a) *Prescribed subjects for the A. B. Degree.\**

	CREDIT HRS.		CREDIT HRS.
English .....	12	Mathematics .....	6
Latin .....	16	History .....	6
Modern Language .....	16	Philosophy .....	16
Science .....	8	Evidences of Religion.....	8

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\*A student may be reported *Incomplete*, if some small portion of his work remains unfinished, providing his standing in the course has been of grade C or higher. To secure credit, this work must be completed within one month after the beginning of the following semester; otherwise the course will be recorded as of grade E.

(b) *Prescribed subjects for the B. S. Degree.*

English .....	12	Mathematics .....	6
Modern Language .....	16	History .....	6
Science .....	16	Philosophy .....	16
		Evidences of Religion.....	8

**Outline of Courses.**

## BACHELOR OF ARTS

*Freshman*

FIRST SEMESTER	CREDIT HRS.	SECOND SEMESTER	CREDIT HRS.
Latin, 1, 9.....	4	Latin, 2, 10.....	4
English, 3 .....	3	English, 4 .....	3
Science .....	4	Science .....	4
*Greek, or Mathematics, 1 or 3.....	3	Science, or Mathematics, 2 or 4.....	3
Evidences of Religion.....	1	Evidences of Religion.....	1
Public Speaking .....	1	Public Speaking .....	1
	—		—
	16		16

*Sophomore*

FIRST SEMESTER	CREDIT HRS.	SECOND SEMESTER	CREDIT HRS.
Latin, 3, 11.....	4	Latin, 4, 12.....	4
History, 1, or Greek.....	3	History, 2, or Greek.....	3
Modern Language .....	4	Modern Language .....	4
English, 5 .....	3	English, 6 .....	3
Evidences of Religion.....	1	Evidences of Religion.....	1
Public Speaking .....	1	Public Speaking .....	1
	—		—
	16		16

\*Students taking Greek may omit Mathematics in Freshman and postpone History of Sophomore to the Junior year.

The prescribed courses in Evidences of Religion will be required only of Catholic students.

*Junior*

FIRST SEMESTER	CREDIT HRS.	SECOND SEMESTER	CREDIT HRS.
Logic, 1 .....	3	Modern Language .....	3
Psychology, 3 .....	3	Psychology, 4 .....	3
Modern Language .....	4	Evidences of Religion.....	1
Evidences of Religion.....	1	Major and Minor Electives	
Major and Minor Electives			
	—		—
	16		16

*Senior*

FIRST SEMESTER	CREDIT HRS.	SECOND SEMESTER	CREDIT HRS.
Metaphysics, 6 .....	3	Ethics, 7 .....	3
Evidences of Religion.....	1	Evidences of Religion.....	1
Major and Minor Electives		Major and Minor Electives	
	—		—
	16		16

## BACHELOR OF SCIENCE

*Freshman*

FIRST SEMESTER	CREDIT HRS.	SECOND SEMESTER	CREDIT HRS.
English, 3 .....	3	English, 4 .....	3
Mathematics, 1 or 3.....	3	Mathematics, 2 or 4.....	3
Modern Language .....	4	Modern Language .....	4
Science .....	4	Science .....	4
Evidences of Religion.....	1	Evidences of Religion.....	1
Public Speaking .....	1	Public Speaking .....	1
	—		—
	16		16

*Sophomore*

FIRST SEMESTER	CREDIT HRS.	SECOND SEMESTER	CREDIT HRS.
Modern Language .....	4	Modern Language .....	4
Science .....	4	Science .....	4
History 1 .....	3	History, 2 .....	3
Evidences of Religion.....	1	Evidences of Religion.....	1
Public Speaking .....	1	Public Speaking .....	1
Elective .....		Elective .....	
	—		—
	16		16



*Junior*

FIRST SEMESTER	CREDIT HRS.	SECOND SEMESTER	CREDIT HRS.
Logic, 1 .....	4	Psychology, 4 .....	3
Psychology, 3 .....	3	English, 6 .....	3
English, 5 .....	3	Evidences of Religion.....	1
Evidences of Religion.....	1	Major and Minor Electives	
Major and Minor Electives			
	—		—
	16		16

*Senior*

Metaphysics, 6 .....	3	Ethics, 7 .....	3
Evidences of Religion.....	1	Evidences of Religion.....	1
Major and Minor Electives		Major and Minor Electives	
	—		—
	16		16

Candidates for graduation must attend any course of lectures, or any other exercises that have been or may be authorized and equipped by the Faculty, even though such courses receive no value in credits.

## GROUP REQUIREMENTS

A candidate for a bachelor's degree must complete a major in at least one department, and a minor in each of two other departments,

(a) One of which is correlated to the major,

(b) The other, a free or unrestricted minor, to be chosen from another group.

The various subjects of instruction are divided into three groups as follows: :

<i>Group I</i>	<i>Group II</i>	<i>Group III</i>
English	Economics	Astronomy
French	Education	Biology
German	History	Chemistry
Greek	Philosophy	Geology
Latin	Political Science	Mathematics
Public Speaking	Sociology	Physics
Spanish		

N. B.—For the degree of Bachelor of Arts the Major study must be selected from Group I or Group II. For the degree of Bachelor of Science the Major study must be selected from Group III.

#### MAJOR

Each student before the end of the sophomore year must elect courses from some one department, to be known as his major, which must comprise not less than eighteen semester hours.

A major may be changed only by the consent of the Dean and of the heads of the departments concerned, and such change will be permitted only upon the distinct understanding that all the courses prescribed in the major finally chosen shall be completed before graduation.

#### MINOR

A minor consists of not less than twelve hours in one department. The correlated minor must be chosen from the same group as the major; the unrestricted minor may be chosen from either of the remaining groups.

#### Electives.

Courses not taken (a) as prescribed courses and (b) not included in the student's major and minor sequences may be chosen as free electives to complete the 128 credits required for graduation.

In the choice of electives, each student must be guided by his prospective future work. He must ascertain, moreover, that such courses are open to his class; that he has fulfilled the prerequisites, and that there will be no conflict in the schedule of recitations or laboratory periods.

First year courses in a foreign language will not be accepted for credit towards a degree unless followed by a second year course in the same language.

Elections for the second term must be filed by members of the upper classes with the Dean on or before January 15th, and for the first term on or before May 15th.

### Reference Study and Research.

1. Students taking courses in Philosophy shall prepare and submit *each month* a paper of 2,000 words dealing with the development of some specific topic of the subject matter treated in class.

2. Students taking courses in History and Social Sciences will be required to hand in two papers each semester. These papers are to contain not less than 1,800 words; and at least one of the four papers thus submitted during the year should give unmistakable signs of original research, preferably in some local Catholic subject.

3. All such and other prescribed written assignments will be held to strictly as pre-requirements for graduation, for the fulfillment of which no student will be allowed any extension of time beyond the 15th of April of his Senior Year.

All applicants for a degree should file their application and present all their credits on or before the 15th of April.

### Classification of Students.

No student will be advanced to a higher class if he has any conditions prior to the year in which he ranks.

Those students are ranked as Sophomores who have at least twenty-four credit hours and have completed the prescribed courses of freshman year; Juniors, those who have fifty-six credits and have completed the prescribed courses of the sophomore year; Seniors, those who have ninety-two credit hours and have completed the prescribed courses of the junior year.

No student will be considered a candidate for graduation if he has *any deficiency* at the beginning of the second semester of the Senior year.

### Examinations.

Examinations in all subjects are held at the close of each semester. Partial examinations and written recitations are held from time to time during the semester, with or without

previous notice to the students, at the discretion of the instructor. The result of a semester examination, combined with the student's class work (each to count one-half) will determine his grade for the semester.

A condition [E] due to failure in a semester examination may be removed by a supplementary examination, upon recommendation of the department concerned, with the approval of the Dean of the College. The supplementary examinations are held during the first month of the succeeding semester. They may be taken only on the days specified.

A conditioned student who desires such examination must notify the department concerned one week in advance so that examination questions may be prepared. He must also notify the Dean on or before the same day so that arrangements may be made for the examination. For each subject, a fee is charged, payable in advance at the Treasurer's office. Removal of conditions by examination shall not entitle the student to a grade higher than D.

A student may take only one examination to remove a condition. If he fails to pass the subject, in both the regular and supplementary examinations, he must repeat the entire subject in class.

Conditions may be incurred: (a) by a failure to satisfy the requirements of any course, which requirements include the recitations, tests and other assigned work as well as the examinations; (b) by exclusion from an examination because of excessive class-room absences,\* and (c) by absence, due to any cause, on a day appointed for examination, provided the work done during the semester is below passing.

Conditioned students absent from the regular supplementary examinations must present an excuse satisfactory to the Dean or receive a grade of F for the course.

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[\*“The right to examination in any subject at the end of a semester will be refused (a) to those who have not been present 85 per cent of the class time, or (b) who have not handed in 85 per cent of written assignments in laboratory or other work.”]



### Attendance.

Students not in their places at the opening of the semester must present written excuses from their parents or guardians for the delay.

Students who are not present at recitations during the twenty-four hours preceding or following the Christmas or summer recesses will be marked three absences for each recitation missed, unless permission has been *previously* granted by the Dean. If a student is absent from any class exercise without such permission, his registration in that course is canceled. If such absence is not adjusted within two weeks, a grade of F will be recorded for the course.

The maximum number of unexcused absences allowed a student in any course, *without deduction of grade* in any semester, is the same as the number of class exercises per week in that course. Absences from laboratory courses in excess of one-sixth of the total number for the semester will cancel the registration for the course.

For each additional absence in any subject up to one-tenth of the regular recitation periods for the semester, deductions are made from the *final grade* of the students as computed from the daily standing and final examination, as follows:

One-half per cent for four- or five-hour studies.

One per cent for two- or three-hour studies.

For each absence in excess of one-tenth of the recitations, twice the above schedule of deductions is made.

All omitted exercises must be made up within one week after the resumption of college duties, as appointed by the professor whose exercises were omitted, or they will be counted as failures in determining a student's grade.

*The responsibility in these cases rests with the student.*

If a student is absent either *with or without excuse*, from twenty per cent or more of the exercises of a given class, in any semester, he will be required to take an extra examination which will ordinarily cover the work gone over *during his absence*.

Tardiness in class attendance is regarded as a partial absence, unless the matter is adjusted *on request of the student* at the close of the hour. Three tardy marks will be recorded as one absence. Teachers are to report to the Dean all students who are absent one-tenth of the recitations of a course as soon as that number shall have been reached.

### Student Advisers.

Students are assigned to general advisers in the second semester of the Freshman year. The adviser must be retained throughout the student's course, unless special permission is obtained to change. The student's general electives must be selected under the direction of the general adviser, whose signature must appear on the registration card. In the Junior and Senior years the student must first secure the signature of the head of the department in which he is doing his major work, and second, the signature of the general adviser. During the time of registration the advisers keep office hours. The Dean of the College is chairman of the Board of Advisers, and is temporarily general adviser for all Freshmen and all new students admitted with advanced standing.

## Departments and Courses

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1. As a rule, odd numbers indicate first semester courses ; even numbers second semester courses.

2. In all (a) beginning and (b) year courses both semesters must be completed for credit toward a degree.

3. The Faculty reserves the right to refuse to offer a course listed below for which there is not a sufficient number of applicants.

### Astronomy.

**1. Descriptive Astronomy.** Fundamental astronomical facts and principles: astronomical co-ordinates: the celestial sphere. Astronomical instruments. The sun, moon and eclipses. The planets, comets, meteors. Constellations, clusters and nebulae.

(Three hours credit.)

**2. Spherical and Practical Astronomy.** The theory and use of astronomical instruments, such as the sextant, transit, altazimuth, equatorial, position micrometer, spectroscope, etc. Computation of eclipses, construction of eclipse maps. Introduction to celestial mechanics. Orbits of planets and satellites. (Three hours credit)

### Biology.

**1. Introductory Zoology.** An introduction to the elements of general morphology and physiology. Studies are made of a graded series of invertebrate types illustrating the increase of complexity of form as correlated with division of function. More detailed examination is made of those groups which include many parasitic forms. Two lectures, one quiz hour, and four laboratory hours per week. First semester. (Four hours credit.)

**2. Comparative Anatomy of the Vertebrates.** An intensive study of type forms. The value of the structures studied as basal elements of vertebrate anatomy and the principles of homology in the various groups are elaborated in the lectures. Two lectures, one quiz, and four laboratory hours per week. Second semester. (Four hours credit.)

**3. Embryology (General).** Maturation, fertilization, cleavage in various typical forms. Gastrulation and embryo formation in the Chordates. Acrania, Pisces, Amphibia, and Aves are studied and compared with some care. Two lectures, one quiz, and four laboratory hours per week. First semester. Prerequisite, Zoology 1 and 2 or equivalent. (Four hours credit.)

**4. Embryology (Organogeny).** A continuation of Course 3. A study of the development of systems based on laboratory work on the chick and pig. Two lectures, one quiz, four laboratory hours per week. Second semester. Pre-requisite, Courses 1, 2, 3 or their equivalent. (Four hours credit.)

### Chemistry.

**1-2. General and Inorganic Chemistry.** A course of experimental lectures and problems combined with laboratory work. The laboratory work of the second semester includes a brief course in qualitative analysis. 1a, 2a. Lectures 2 hours a week. Both semesters. 1b, 2b. Laboratory 4 hours a week. Both semesters. (Eight hours credit.)

**3. Qualitative Analysis.** Six hours a week. One semester. Prerequisite: Course 1-2. (Three hours credit.)

**4. Quantitative Analysis.** Lectures and laboratory work. 8 hours a week. One semester. Prerequisite: Courses 1-2 and 3. (Four hours credit.)

**5-6. A Combined Course in Inorganic Chemistry and Analytic Chemistry.** Covers compendiously and necessarily with less thoroughness the essential matter of Course 1-2, 3 and 4. For those who are not taking Chemistry as their major.

5a-6a. Lectures 2 hours a week. Both semesters.

5b-6b. Laboratory 4 hours a week. Both semesters. The second semester of laboratory is devoted to analytical work, qualitative and quantitative. (Eight hours credit.)

**7. Organic Chemistry.** Prerequisite, Courses 1-2 or 3-4.

7a. Lecture 2 hours a week. One semester.

7b. Laboratory 4 hours a week. One semester.

(Four hours credit.)

**9-10. Physical Chemistry.** 9a-10a. Lectures 2 hours a week dealing with the general principles of the subject, with the properties of matter and its phase and energy relations. Two semesters.



9b-10b. Laboratory 4 hours a week. Measurement of densities of gases and liquids, of boiling points and freezing points; practice with spectrometer, polarimeter, refractometer and various physico-chemical apparatus. Prerequisite: Physics, Course 1, and Chemistry, Course 1. Two semesters. (Eight hours credit.)

### **Economics.**

1. **Principles of Economics.** The economic principles involved in the production, exchange, distribution and consumption of wealth. Study of textbook supplemented by lectures, discussions and assigned readings. (Three hours credit.)

2. **Economic History of the United States.** The development of agriculture, commerce and manufacturing industry from Colonial times to the present day. Study of textbook with assigned readings on special topics. (Three hours credit.)

3. **Money and Banking.** The study of the nature and functions of money; monetary systems and standards; the principles of commercial banking. Three (or two) hours a week. (Three or two hours credit.)

4. **The Distribution of Wealth.** A more advanced treatment of the problems arising out of the distribution of wealth. Theories concerning rent, profits, interest and wages. Discussion of proposed remedies for inequality of distribution: Single tax, government ownership, profit-sharing, co-operative enterprises, etc. (Three hours credit.)

5. **Law and Public Welfare.** A study of legislative measures dealing with the protection of life and health in industry: employment of women and children, regulations of hours of labor, minimum wages, the relief and prevention of poverty. (Two hours credit.)

6. **Industrial Organizations.** A study of the development of modern industry along the lines of large-scale production and corporate organization. Prerequisite: Economics 1. (Two hours credit.)

7-8. **Elementary Accounting.** Two hours a week throughout the year. (Four hours credit.)

These courses are not open to Freshmen (except to Freshmen in the Department of Commerce).

### Education.

**1. Philosophy of Education.** The principles underlying all Christian education, and the relative values of different educational agencies and curricula when tested by these principles. Lectures, discussions, required reading and reports. (Three hours credit.)

**2-3. General Psychology. (Philosophy 3-4.)** Beginning with an explanation of the cerebro-spinal nervous system, this course leads on to the study of the phenomena of sensuous and rational life, and then treats of the origin, nature and destiny of the human soul, and the union of soul and body. Must accompany or precede Course 7. Required of Juniors. (Three hours credit.)

**4. Educational Psychology.** A study of established psychological processes and procedure; prevalent errors in psychology and their influence on recent and contemporary educational theory and practice; physical growth and mental development; the psychology of adolescence; instinct, heredity and individuality; attention, interest, appreciation, association, memory and habit, and their application to the problems of education and the class room. Courses 5-6 prerequisite and essential. (Three hours credit.)

**5. History of Ancient and Mediaeval Education.** The development of educational ideals, systems, institutions and methods of early times, through Jewish, Greek, Roman and early Christian civilization, down to the Renaissance. (Two hours credit.)

**6. History of Modern Education.** The Renaissance and humanistic studies; effects of the Protestant Revolution; Catholic progress; the Jesuits and higher education, a survey of systems, movements and tendencies in educational ideals and methods during the sixteenth, seventeenth, eighteenth and nineteenth centuries; recent and contemporary educational thought and tendencies in England, France and Germany, and especially in the United States. Lectures; readings and investigations of special problems. (Two hours credit.)

**7. History of Education.** A brief survey of educational theory, institutions and practice during ancient and modern times with special emphasis on the more recent educational movements of Europe and America. (Three hours credit.)

**8. School Management.** The meaning and aim of the educative process and the function of this aim in class-room organization and control; motivation of school work; routine procedure; gradings and promoting; the real function and character of the curriculum;

assignments, study and recitations; the effective measurements of school processes and products; the influence of personality upon the professional effectiveness of the teacher; professional ethics.

(Three hours credit.)

**9. High School Administration.** An investigation of the problems, aim, organization and procedure in the administration and supervision of secondary schools, public and private; the relationship of superintendent, principal, teachers, parents and pupils; certification of teachers, rating of teachers and teaching efficiency; school surveys, standardizing agencies, processes and progress; school construction, equipment and control. (Three hours credit.)

**10. Principles of Secondary Education.** The development of secondary education in America and in other countries; its relations to elementary and higher education; program of studies, criteria of subject values; history, purposes, organization and methods of the Junior high school; vocational and industrial education; organization and reconstruction of curricula with reference to the various needs of typical communities and present day life; textbooks and apparatus; the psychology of high school subjects.

(Three hours credit.)

**11. Observation of Expert Teaching.** A systematic observation of classes taught in St. Louis High School and a written report of such observations as outlined by the head of the department.

(One hour credit.)

**12. Practical Work in Teaching.** During the second semester each student will prepare thirty recitations and teach them in St. Louis High School under the supervision of a critic teacher.

(Two hours credit.)

### English.

**1. Rhetoric and Composition.** A course in the essentials of Rhetoric and in the various modes of composition. Required of Freshmen who are deficient in the theory or practice of correct English.

(Three hours credit.)

**2. Advanced Rhetoric.** A systematic course based on textbooks, in the theory of rhetoric, the study of style, and the requisites of the various species of writing. Required of Freshmen, as in Course 1.

(Three hours credit.)

**3. Poetry.** Theories of English prosody: Saintsbury, Patmore, Lanier, Bridges, Hopkins. The part played by Latin Christian

hymns in determining the metrical principles of modern Languages. Italian influences in Elizabethan and Caroline verse. French influences in Restoration verse. The influence of Mallory and of the ballads on late poetry. The Romantic revival: Wordsworth and Coleridge. The Pre-Raphaelites. The Catholic revival: Patmore, Francis Thompson and others; contemporary Catholic poets. The poetry of the twentieth century. Free verse. (Three hours credit.)

**4. The Short Story.** The theory and technique of the short story; its development and various kinds. Reading and appreciation of short stories, and composition in the form.

(Three hours credit.)

**5. The English Novel.** The principal purpose of this course is to study the technique of the novel and the various schools of fiction and their tendencies, with special attention to their ethical and literary value. The historical development will be briefly surveyed.

**6. Oratory.** The theory of oratory; analysis and study of oratorical masterpieces; historical study of the great orators. The preparation of briefs, the composition and delivery of short addresses, speeches for occasions, debates, and at least one formal oration, will be required.

(Three hours credit.)

**7. The Technique of the Drama.** The theory of the drama will be studied by means of lectures and assignments in its history and development; examples of the different forms will be analyzed; composition in dialogue, dramatic sketches, playlets, scenarios, and at least one complete drama will be required.

(Three hours credit.)

**8. Shakespeare.** Shakespeare's life, influence, sources of his drama; an acquaintance by reading and assignments with the Shakespearean literature of criticism; a study of the chief plays, especially in comparison with those of other dramatists.

(Three hours credit.)

**9. The Modern Drama.** This course will be confined to English and American drama, though some of the continental influences will be noted and analyzed. The more noteworthy plays of the chief dramatists from Goldsmith and Sheridan to the present will be read.

(Three hours credit.)

**10. Aesthetics and Literary Criticism.** The philosophical basis of aesthetics, the elements of taste; the theory of criticism; a survey of critical standards; a study of the schools of criticism and of the work of the chief literary critics. Critical papers of assigned subjects will be required.

(Three hours credit.)



**11. English Prose.** Its development; from Sir Thomas More to Dryden. The subjective essay; from Cowley to Lamb; some modern masters. The article and review, in criticism, politics, history, philosophy and religion; Coleridge, Hazlitt, Landor, Macaulay, Carlyle, Matthew Arnold, Lionel Johnson. The historians and biographers. (Three hours credit.)

**12. Newman.** His commanding position in the religious intellectual life of the nineteenth century; life and associations at Oxford; Catholic life; his philosophy of education in the "Idea of a University"; his controversial, apologetic and homiletic works; the great Christian protagonist in the warfare of modern rationalism; the acknowledged perfection of form in his prose. (Three hours credit.)

**13. Journalism.** (a) Ethics of journalism; a brief survey of the history of journalism, its development, and a discussion of its present tendencies. (b) The technology of the pressroom, news gathering and reporting; preparation of copy; copy-reading, proof-reading, interviewing and editing. Field work will be required and co-operation with the College periodicals. (Three hours credit.)

**14-15. Early English Literature.** A general survey of the origin and development of the periods to 1750; chief writers and characteristics. (Two hours credit.)

**16-17. English Literature.** An outline history of modern English literature, with required readings and assignments to cover subjects not provided for in other courses. (Two hours credit.)

**18. American Literature.** An historical survey, with especial emphasis on the chief influences and writers. (One hour credit.)

### Evidences of Religion.

**1. Christian Revelation; The Church.** Revelation in general; Christianity a revealed religion; Patriarchal and Mosaic Revelation; divine origin of the Christian Revelation. The Church; its institution and end; Constitution of the Church. (One hour credit.)

**2. The Church; God and Salvation.** Marks and Teaching office of the Church; Holy Scripture and Tradition; the rule of Faith. God the Author and Restorer of our salvation; God considered in Himself; One in Nature; His Existence, Nature, Attributes, Unity; The Trinity. (One hour credit.)

**3. Creation and Redemption.** Creation; the spiritual world; the material world. Man and the Fall. God the Redeemer; the Person and Nature of the Redeemer; the work of Redemption. (One hour credit.)

**4. Grace and the Sacraments.** Actual, habitual and sanctifying grace; infused and acquired virtues; Pelagianism, Jansenism, Naturalism and other errors refuted. The Sacraments in general; Baptism; Confirmation; the Holy Eucharist as a Sacrament and as a Sacrifice. (One hour credit.)

**5. The Sacraments; Morality and Virtue; Eschatology.** The Sacraments of Penance, Extreme Unction, Holy Orders and Matrimony; Sacramentary errors refuted. The basis of morality; law, conscience and free will; moral good and moral evil. The Christian's duties toward God; natural and supernatural virtues; Faith, Hope and Charity; the Last Things. (One hour credit.)

**6. Divine Worship; Christian Perfection.** Internal and external worship due to God; direct and indirect acts of worship; veneration of the Saints. The Christian's duties toward self and neighbor; works of supererogation. (One hour credit.)

**7. Sacred Scripture.** Biblical Canonics and Hermeneutics. Fact, nature and extent of inspiration. The Bible and Science. Explanation of difficulties drawn from geology, astronomy, biology, paleontology and evolution. (One hour credit.)

**8. Scripture Reading.** Readings from the Old and New Testament; comparative study of Greek text, and Latin and English versions. (One hour credit.)

## French.

**A. Elementary French.** Careful drill in pronunciation. The rudiments of grammar, including the inflection of the regular and more common irregular verbs; the order of words in the sentence; colloquial exercises; writing French from dictation; easy themes; conversation. First semester. (Four hours credit.)

**B. Elementary French.** (Continued) Mastery of irregular verb forms; uses of the conditional subjunctive; syntax. Reading of graduated texts, with constant practice in retranslating into French portions of the text read; dictation, conversation. Second semester. (Four hours credit.)

**C. Intermediate French.** ..Reading, conversation, prose, composition, letter-writing, exercises in French syntax. Prerequisite: French A and B or equivalents. First semester. (Four hours credit)

**D. Intermediate French.** (Continued.) Grammar review, with special attention to problems in syntax. Detailed written abstracts of texts read. Letter-writing. Conversation. Second semester.

Texts: Bruno, *Le Tour de la France*; Sarcey, *Le Siège de Paris*; Renard, *Trois Contes de Noël*; Labiche and Martin, *Le Voyage de M. Perrichon*; Fortier, *Napoléon*; Chateaubriand, *Les Aventures Du Dernier Abencerage*. (Four hours credit.)

**5. Modern French Prose.** The study of novels or short stories by modern French prose writers: Erckmann-Chatrian, Bazin, Chateaubriand and others. Grammar and composition based on a French text. (Three hours credit.)

**6. French Poetry of the Nineteenth Century.** Readings from Alfred de Vigny, Alfred de Musset, Lamartine and others, with an introduction to French versification. Selections committed to memory. (Three hours credit.)

**7. French Oratory.** A study of the French orators and their works; Bossuet, Bourdaloue, Massillon, Fléchier; prose composition; private reading. (Three hours credit.)

**8. The French Drama.** The reading of dramas chosen from such authors as Corneille, Molière, Racine, together with a study of their lives and works. (Three hours credit.)

**9. History of French Literature.** A general survey of the history of French literature from its earliest beginnings to the close of the reign of Louis XIV; collateral reading. (Three hours credit.)

**10. History of French Literature.** A general outline of the literature of the seventeenth, eighteenth and nineteenth centuries, dealing only with writers of first importance. (Three hours credit.)

### Geology.

**1. Dynamical and Structural Geology.** Atmospheric, aqueous and igneous agencies and their work. Rivers. River and marine deposits. Glaciers. Earth movements. Volcanoes. Earthquakes. Classification of rocks. Metamorphism. Mineral deposits. Coal, oil and natural gas. Mountain formation and topography. (Three hours credit.)

**2. Historical Geology.** Evolution of the earth. Fossils and their significance. Geological eras, periods, epochs and corresponding systems. The prevalent species of plants and animals of the successive geological ages. The advent of man. (Three hours credit.)

## German.

**A. Elementary German.** This course is intended for students who have not presented German for admission. Grammar, pronunciation, colloquial exercises, easy themes, translation from prose selections. First semester. (Four hours credit.)

**B. Elementary German.** (Continued.) Weak and strong verbs; the use of the model auxiliaries; the chief rules of syntax and word-order; selections in prose and verse; dictation based upon the readings; frequent short themes; conversation; memorizing of poems.

Readings: Baumbach, *Der Schwiegersohn*; Storm, *Immensee*; Arnold, *Fritz auf Ferien*; Wildenbruch, *Das edle blut*.

(Four hours credit.)

**C. Intermediate German.** Rapid review of grammar; dictation; prose composition. Open to students who have credit for German A and B, or who have presented elementary German for admission. First semester. (Four hours credit.)

**D. Intermediate German.** (Continued.) The more difficult points of syntax; special problems of grammar. Reading of selected texts. Dictation and themes based upon the reading. Memorizing of poems. Second semester.

Readings: Schiller, *Wilhelm Tell*; Goethe, *Herman and Dorothea* and *Iphigenie*; Uhland's Poems. (Four hours credit.)

**5. German Prose Writers.** The study of novels or short stories by German prose writers; Freytag, Hauff, Herbert, Stifter, Novalis, Brentano, Eichendorff. (Three hours credit.)

**6. German Poetry.** Readings from German ballads and lyrics. Selections committed to memory. (Three hours credit.)

**7. The German Epic.** *Dreizehnlinden*, Weber; *Der Trompeter von Säkkingen*, Scheffel; selections from other epic poems. (Three hours credit.)

**8. The German Drama.** Dramas of Goethe, Schiller and Lessing. Selections from *Ansengruber*, *Hebel*, *Wildenbruch*. (Three hours credit.)

**9. History of German Literature.** A general survey of the history of German literature from its earliest beginnings to the period of Frederick the Great; collateral reading. (Three hours credit.)

**10. History of German Literature.** A general outline of the literature of the eighteenth and nineteenth centuries, dealing mainly with the writers of the first importance. (Three hours credit.)



**11. Scientific Reading.** For students preparing for scientific courses which require a facility in the reading of scientific literature. Prerequisite: German A and B.

Text: Dippold's Scientific German Reader, current scientific literature; monographs. One semester. (Two hours credit.)

### Greek.

**A-B. Elementary Greek.** The course is intended for those who enter without Greek. Benner-Smyth, Beginners' Greek Book; Xenophon, Anabasis; prose composition based on Xenophon. Four hours. Both semesters. (Eight hours credit.)

**1. Homer.** Selected portions of the Iliad or Odyssey; Homeric Dialect; outline of Greek epic poetry. First semester. (Three hours credit.)

**2. Plato.** The Apology and one of the Dialogues. New Testament, selections. Second semester. (Three hours credit.)

**3. Demosthenes.** Philippics; The Crown; history of the development of Greek oratory. First semester. (Three hours credit.)

**4. Sophocles; Aeschylus.** Sophocles, Antigone or Oedipus Tyrannus; Aeschylus, Prometheus, with lectures on Greek drama. Second semester. (Three hours credit.)

**5. Euripides; Aristophanes.** Euripides, Medea or Alcestis; Aristophanes, Frogs or Clouds, with lectures on the Greek comedy. (Three hours credit.)

**6. Lyric and Pastoral Poets.** Pindar and Theocritus. Pindar, selected Epinicia; Theocritus, selected Idyls. Selections from the Greek Anthology. (Three hours credit.)

**7. Herodotus.** Selections from Books I, VII, VIII and IX. Lectures on the early logographers and the beginnings of Greek prose. (Three hours credit.)

**8. Thucydides.** Selections, especially the Sicilian Expedition, Books VI-VIII. Lectures on the Greek historians and historical sources. (Three hours credit.)

**9-10. Prose Composition.** Practice in the writing of simple Greek. Both semesters. (Two hours credit.)

**11-12. Prose Composition.** An advanced course. Both semesters. (Two hours credit.)

**13. History of Greek Literature.** A general course in Greek Literature. One semester. (Two hours credit.)

### History.

1. **Western Europe from the Renaissance to 1815.** Sophomore or Junior year. First semester. (Three hours credit.)

2. **Western Europe Since 1815.** Sophomore or Junior year. Second semester. (Three hours credit.)

Courses 1 and 2 are prerequisite to all other history courses and, in view of their cultural and informational value, are required of all undergraduates. Ordinarily taken in Sophomore or Junior year.

Method of instruction is typically the informal lecture based on textbooks recommended by the Department and supplemented by oral recitations, quizzes, class-room discussion, collateral reading, written tests and occasional research tasks in the library. At least two papers designed to afford practice in original presentation of historical data are required in each course.

3. **English History to the Death of Elizabeth (1603).** The fusion of Saxon and Norman elements and the gradual advance towards national consciousness with special reference to the growth of political and social institutions; the jury system, the common law, the great charters and the rise of representative government; Tudor despotism and the significance in English history of Elizabeth's reign.

With England (800-1500) taken as a vertical section of the mediaeval world, the civilization of which was homogeneous to a marked degree in all the countries of Western Europe, and with the more important events and movements of the Middle Ages grouped around England as one of the chief participants therein, this course becomes similar in scope to a general course in mediaeval history. Junior or Senior year. First semester.

(Three hours credit.)

4. **English History from the Death of Elizabeth.** The Stuarts and the great struggle for popular and constitutional rights; the cabinet system of government and the rise of political parties; the Industrial Revolution and the building of the British Empire; the spread of democratic ideas, the British Empire today and the problems before it.

Courses 3 and 4 aim to present English History especially as a background and starting point for the study of American History. With informal lecture and textbook as the basis of instruction, stress is laid on the use of source-material and on methods of historical research and composition. (At least two papers designed to embody results of collateral reading and comparison of selected sources are required in Courses 3, 4, 5, 6, 7, 8.) Junior or Senior year. Second semester. (Three hours credit.)

**5. American History to the Reconstruction Period.** This course, with the following, aims to bring into relief the outstanding influences that have shaped the history of the United States from the Colonial Period to our own, stressing for this purpose topics of import for the social, economic and political development of the nation. Junior or Senior year. First semester. (Three hours credit.)

**6. American History since the Reconstruction Period.** Supplementary to Course 5, with similar aims and methods of instruction. Bears in its later phases on conditions and circumstances that led to America's participation in the Great War, with the resulting stimulus to a clearer national consciousness of the significance and value of American citizenship. Junior or Senior year. Second semester. (Three hours credit.)

**7. Ecclesiastical History.** Origin and early expansion of Christianity; persecutions; heresies; Councils; mediaeval union of Church and State; foreign missions, mediaeval and modern; disruption of Christian unity in the sixteenth century; the papacy and the popes. The course aims to show in sequence the reverses and vicissitudes of the spiritual kingdom of Christ. Junior or Senior year. One semester. (Three hours credit.)

**8-9. Special Topics in European History.** Courses dealing intensively with certain outstanding events, movements and institutions of direct bearing on the history of the Church. Topics thus treated will be, among others, the Origin and Early Influence of the Papacy, the Temporal Power of the Popes, the Holy Roman Empire, the Controversies over Investitures, Mediaeval Religious Life, the Mendicant Friars, Mediaeval Universities, the Great Schism, the Collapse of Religious Unity in the Sixteenth Century, the Catholic Reaction, Missionary Enterprise in Asia and America, etc. Research courses giving opportunity to the student to deal freely with source-material and to compare his findings with the treatment of the topics in the best secondary authorities. Senior year. Both semesters. (Six hours credit.)

**10. Contemporary History.** A course aiming to apply the methods of historical evidence and research to current events. Senior year. One semester. (Two hours credit.)

**11. Historical Methods.** The principles of historical evidence, the processes of historical research, scientific method in history, the rival claims of literature and science in historical composition, biography. Senior year. One semester. (Two hours credit.)

## Latin.

**A-B. Elementary Latin.** Daily practice in oral and written themes; essentials of syntax. First semester. Caesar De Bello Gallico, four books; thorough study of syntax with frequent themes. Bennett's New Latin Prose Composition. Second semester.

(Four hours credit.)

**C. Cicero; Sallust.** Orations against Catiline I-III; selections from De Senectute and the Bellum Catilinae. Themes from Bennett's New Latin Prose Composition.

(Four hours credit.)

**D. Vergil; Cicero.** Aeneid, translation and interpretation with studies in Greek and Roman mythology; Cicero, Pro Lege Manilia. Themes as in Course C.

(Four hours credit.)

The above courses, A, B, C, and D, are intended for students who enter with insufficient preparation in Latin, but will not be accepted in fulfillment of the required college Latin.

**1. Vergil; Horace.** Vergil, Aeneid VII-XII, selections; Horace, Ars Poetica. Selections from Christian Hymnology. First semester.

(Three hours credit.)

**2. Livy.** Book XXI; Book XXII, selections; a study of Livy's style; elements of change from the prose of the Ciceronian age. Second semester.

(Three hours credit.)

**3. Horace; Cicero.** Horace, selected Odes and Epodes; Cicero, Pro Milone, with special references to its rhetorical and argumentative qualities; De Amicitia or De Senectute. First semester.

(Three hours credit.)

**4. Horace; Tacitus.** Horace, selected Epistles and Satires; a study of the chief characteristics of Roman satire; Horace's philosophy of life; Tacitus, Agricola and Germania; the prose of the Empire. Second semester.

(Three hours credit.)

**5. Cicero; Juvenal.** Cicero, Quaestiones Tusculanae, with a study of his position as a philosopher; Juvenal, selected Satires. One semester.

(Three hours credit.)

**6. Plautus; Terence.** Selected plays. One semester.

(Three hours credit.)

**7. Pliny; Seneca.** The letters of Pliny the Younger, with a study of literary and social conditions at the end of the first century after Christ; Seneca, selected letters. One semester.

(Three hours credit.)

**8. Roman Political Institutions.** The king, the gentes, the patricians, the clients; the rise and growth of the Republican Constitution, the senate, the magistracies, the people, the assemblies, etc. One semester.

(Two hours credit.)



**9. Latin Composition.** Principles of Latin idiom and style. Kleist's Aids to Latin Composition. Required of students taking Courses 1 and 2, first semester. (One hour credit.)

**10. Latin Composition.** A continuation of Course 9, Second semester. (One hour credit.)

**11. Latin Writing.** Advanced course. Translation of selected passages from English classic authors. Kleist's Practical Course in Latin Composition. Intended to accompany Courses 3 and 4. First semester. (One hour credit.)

**12. Latin Writing.** A continuation of Course II. Second semester. (One hour credit.)

**13. Ecclesiastical Latin.** Hymns and homilies, selected from the Breviary and other sources. One semester. (Two hours credit.)

**14. History of Roman Literature.** A general course in Roman Literature. One semester. (Two hours credit.)

## Mathematics.

**A. Advanced Algebra.** A course for those who present but one unit of Algebra for entrance to college. The work starts with a review of Elementary Algebra, and then takes up such subjects as are usually given in a third-semester high-school course of Algebra. Can be counted only as an elective. (Two hours credit.)

**B. Solid Geometry.** A course for those who have not had solid geometry in high school. Cannot be counted in fulfillment of the requirements in Mathematics. (Two hours credit.)

**1. College Algebra.** After a brief review of the foundations, the following topics are treated; variables and functions, linear and quadratic equations, determinants, logarithms, undetermined coefficients, complex numbers, binomial theorem, theory of equations, and series. For Freshmen. Prerequisite: Entrance Algebra, one and one-half units; and Plane Geometry. (Three hours credit.)

**2. Plane Trigonometry.** The six elementary functions for acute angles; goniometry; solution of the right and oblique triangles; graphs of the functions and solution of simple trigonometric equations. For Freshmen. (Three hours credit.)

**3-4. Algebra; Trigonometry; Analytic Geometry.** A course in unified mathematics, embracing the topics of Algebra and Trigonometry outlined above, and the elements of Analytic Geometry. Open to Freshmen, who present at least two and one-half units for entrance. (Six hours credit.)

**5. Spherical Trigonometry.** The right spherical triangle, Napier's rules, formulas and methods for the solution of the general triangle. Open to students who have had Mathematics 2.

(Two hours credit.)

**6. Surveying.** The theory, use and adjustment of instruments; methods of computation and arrangement of data; practical field work and topographic map-making.

(Three hours credit.)

**7. Plane Analytic Geometry.** Loci and their equations. The straight line; the circle; the parabola, ellipse, and hyperbola; transformation of co-ordinates; polar co-ordinates. Open to Sophomores and Juniors.

(Three hours credit.)

**8. Solid Analytic Geometry.** An introductory treatment of the point, plane, straight line, and surfaces of revolution. Open to Sophomores and Juniors.

(Three hours credit.)

**9. Differential Calculus.** Fundamental notions of variables; functions, limits, derivative and differentials; differentiation of the ordinary algebraic, exponential and trigonometric functions with geometric applications to maxima and minima, inflexions, and envelopes; Taylor's formula. Open to Sophomores and Juniors.

(Three hours credit.)

**10. Integral Calculus.** The nature of integration; elementary processes and integrals; geometric applications to area, length, volume and surface; multiple integrals; use of infinite series in integration; introduction to differential equations. Open to Sophomores and Juniors.

(Three hours credit.)

**11. Methods of Teaching Mathematics.** A course for those who expect to teach high-school mathematics. Open to students who have completed Mathematics 8 and 9. Will not be counted towards a major.

(Two hours credit.)

## Philosophy.

**1. Formal Logic.** This will comprise the customary treatment of formal logic with added emphasis on inductive reasoning and the informal reasoning of everyday life and of literature. Required of Juniors. One semester.

(Three hours credit.)

**2. Introduction to Philosophy.** This course sets before the student the meanings and scope of philosophy and introduces him to the principal problems of philosophic discussion; the problem of reality, the problem of knowledge and the problem of conduct. One semester.

(Three hours credit.)

**3. Psychology.** Beginning with an explanation of the cerebro-spinal nervous system, this course leads on to the study of the phenomena of sensuous life; sense perception, imagination and memory, sensuous appetite, movement and feeling. Required of Juniors. First semester. (Three hours credit.)

**4. Psychology.** A continuation of Course 3, embracing the study of the phenomena of rational life; the origin and development of intellectual concepts, rational appetency, free-will and determinism. The latter part of the semester is given to rational psychology: the origin, nature and destiny of the human soul, the union of the soul and body. Required of Juniors. Second semester. (Three hours credit.)

**5. Metaphysics.** In this course are treated the subjects usually included under Ontology and Cosmology: the notions of being, act and potency, substance and accident, relation and cause; the origin of the material universe; the constitution of inorganic bodies, organic life, the laws of physical nature, miracles. Required of Seniors. First semester. (Three hours credit.)

**6. Metaphysics.** The first part of this course is devoted to Natural Theology, including: the idea of God, the proofs for the existence of God, the attributes of God, and free-will, the divine action in the universe, providence.

The second part of the course is taken up with questions of epistemology: truth and error, the nature of fact of certitude, the value of human testimony, the criterion of truth. Required of Seniors. Second semester. (Three hours credit.)

**7. Ethics.** In this course are treated the subjects belonging to general theory; the nature of the moral act, the distinction between moral good and moral evil, moral habits, natural and positive moral law, conscience, rights and duties. Required of Seniors. First semester. (Three hours credit.)

**8. Ethics.** The application of the general principles of ethics to particular, individual and social rights and obligations: the right to property, life, honor; the rights and obligations of domestic society, marriage and divorce; civil society, its nature and forms; the rights of civil authority; church and state; the ethics of international relations, peace and war. Second semester.

(Three hours credit.)

**9. History of Ancient Greek Philosophy.** In ancient Greek philosophy attention is directed primarily to the teachings of Socrates, Plato and Aristotle and to the systems of Stoicism and Epicureanism. Plotinus is taken as representative of the Alexandrian

movement; and St. Augustine is studied as the most conspicuous example of the early Christian philosopher. This course is carried on by means of lectures and recitations and the reading of representative selections. Turner's History of Philosophy is used as the basis of lectures and recitations. First semester.

(Three hours credit.)

**10. History of Mediaeval and Modern Philosophy.** In the study of mediaeval philosophy attention is centered on the origin and development of Scholastic philosophy and on the system of St. Thomas as the most complete synthesis of mediaeval thought. In the division of modern philosophy, Descartes, Locke, Hume, Kant, Hegel and Spencer are taken for special study. Among present day tendencies, the revival of Scholasticism and the trend towards realism are noticed. De Wulf's Mediaeval Philosophy is made the basis of the treatment of scholastic Philosophy and Turner's History of Philosophy is used as the text for modern systems. Lectures, recitations, readings and discussions. (Two hours credit.)

**11. Experimental Psychology.** A laboratory course dealing with phenomena of sense-perception and attention.

(Three hours credit.)

### Physical Education.

**1. Physical Training.** Indoor elementary gymnastics; outdoor athletics and games. Two hours a week.

A medical and physical examination is given to every student engaged in gymnasium work. No student may register in any branch of athletics without a medical examination.

**2. Physical Training.** Instruction in heavy apparatus, track and field athletics. Two hours a week.

**3. Hygiene.** The principles governing the proper care and right use of the human organism and its surroundings; the relating of hygiene to physical training. One hour; first semester.

**4. Hygiene.** The application of the principles of physiology and sanitary science to the conduct of physical life; personal, domestic and public hygiene and sanitation. One hour; second semester.

(May be required without credit towards graduation.)

### Physics.

**1-2. General Physics.** Mechanics, Sound, Light, Heat, Magnetism and electricity. Must be preceded or accompanied by a course in Plane Trigonometry.



1a-2a. Lectures, experimental demonstrations and recitations, two hours per week. Both semesters. (Four hours credit.)

1b-2b. Laboratory, four hours per week. Both semesters. (Four hours credit.)

**3-4. General Physics.** A more mathematical and more complete treatment of the general principles of the subject than that given in 1-2. Should be preceded or accompanied by a course in Plane Trigonometry.

3a-4a. Lectures, experimental demonstrations, recitations, three hours a week, both semesters. (Six hours credit.)

3b-4b. Laboratory two hours a week, both semesters. (Two hours credit.)

**5-6. Advanced Physics.** A more mathematical treatment of Mechanics, Molecular Physics, Light and Heat. Must be preceded or accompanied by a course in Calculus.

Prerequisite Course 1-2 or 3-4. Lectures four hours per week. Both semesters. (Eight hours credit.)

**7-8. Electricity and Magnetism; Radioactivity; the Electron Theory.** Must be preceded or accompanied by Calculus. Prerequisite; Course 1-2 or 3-4. Lecture, four hours per week. Both semesters. (Eight hours credit.)

**9-10. Experimental Physics.** Advanced laboratory work in Mechanics, Molecular Physics, Light and Heat. A few lectures are given on the theory of physical measurements and measuring instruments with special attention to the computation of results. Recommended to be taken in concurrence with Course 3-4.

Six hours per week. Two semesters. Prerequisite, Course 1-2. (Six hours credit.)

**11-12. Experimental Physics.** Advanced laboratory work in Electricity and Magnetism. Accurate measurement of current, resistance, electromotive force, capacity; magnetic properties of iron and steel; use of electrometer and potentiometer; a practical study of the properties of direct and alternating currents and of the principles underlying the construction of dynamo-electric machinery. Six hours per week. Both semesters. Prerequisite: Course 7-8. (Six hours credit.)

**13. Electric Oscillations and Electromagnetic Waves; Radio Communication.** Lectures two hours per week. One semester. Prerequisite: Course 1-2 or 3-4 and a course in Calculus. (Two hours credit.)

## POLITICAL SCIENCE

**1-2. American Government.** First Semester—American National Government. The historical back-ground of the Federal Constitution and of political issues in the United States, and the organization and functions of the National Government. The President. The Cabinet. The Senate. The House of Representatives. The Supreme Court and the Subordinate Federal Courts.

Second Semester—Local and State Government in the United States: The place of the States in the Nation. The State Constitutions. The State Legislature. The State Courts. Organization and functions of administration in counties and cities. Three hours a week, both semesters. (Six hours credit.)

**3-4. Party Politics.** The development of political parties in the United States. Importance of this extra-constitutional element in American Government. Party platforms. Presidential campaigns and elections. The nominating machinery; the presidential primary and the nominating convention. Party patronage. The spoils system and civil service reform. State parties and practical politics in local government. Three hours a week, both semesters. (Six hours credit.)

**5-6. American Government and Party Politics.** A more general course adapted to the needs of students who desire to make a less intensive study of the matter of courses 1-4. Three hours a week; both semesters. (Six hours credit.)

**7-8. Constitutional Law.** Fundamental principles of the United States Constitution viewed in the light of their history, development and application. The making of the Constitution. The Constitution regarded as a grant of power. Federal powers and State powers. The principle of "checks and balances." The doctrine of Judicial Supremacy. Constitutional Limitations on Legislative power. Limits of the Police Power of the States. The Guarantees of the Fourteenth Amendment. Religious Liberty. The Fifteenth Amendment and the Negro Problem. State Constitutions. Three hours a week; both semesters. (Six hours credit.)

**9. Comparative Government.** A comparative study of the governmental organization and administration of the principal European Nations. Three hours a week; one semester. (Three hours credit.)

**10. Principles of Political Science.** Origin and fundamental nature of the state. Its foundation upon the consent of the governed. Its stability. Purpose of government. Nature of right, liberty and law. Three hours a week; one semester. (Three hours credit.)

## Public Speaking.

**1. Principles of Vocal Expression.** Practical training in the fundamentals of effective speaking. Instruction on the management of the breath; methods of acquiring clear articulation; correct and refined pronunciation; direct, conversational and natural speaking; inflection; qualities of voice and their use; purity, range and flexibility of tone. Individual criticism and conference with the instructor. (One hour credit.)

**2. Gesture and Technique of Action.** The study of poise; posture, movement and gesture; spontaneity of expression; correction of mannerisms; power and pathos; ease, grace and effectiveness of delivery. Class exercises, criticism and conferences. (One hour credit.)

**3. Argumentation and Debating.** A practical training for those students who have taken or are taking the course in oratory prescribed under English 5. Thought development; division and arrangement; argumentative, persuasive and demonstrative speeches; a finished argument and the fallacies of argument; the essentials of parliamentary law and practice; manner of conducting deliberative assemblies. Class exercises. Individual criticism and conferences. (One hour credit.)

**4. The Occasional Public Address.** Informal public addresses; the presentation of business propositions before small or large audiences; impromptu and extempore speaking; after-dinner talks. Speeches for various occasions. Class exercises, individual criticisms and conferences. (One hour credit.)

**5-6. Practical Oratory and Debating.** This course is open to all students of the college. Its aim is to afford special training in public speaking. To this end strict parliamentary practice is followed throughout. The literary and oratorical exercises include declamations and elocutionary reading; criticism and discussion of interpretation and delivery; the composition and reading of short stories, poems and essays; orations, illustrative of rhetorical principles; extemporaneous speaking; the knowledge and application of parliamentary law; debates. (Two hours credit.)

## Sociology.

**1. Social History.** A survey of ancient, mediaeval and modern social movements. Social value of Mosaic laws and Christian practice with special emphasis on industrial democracy. A review of

modern reforms, factory legislation, workingmen's compensation, social insurance, profit sharing and industrial co-operation. The Church in modern social problems. (Three hours credit.)

**2. General Sociology.** An introduction to the scientific study of social problems and their relation to the family and the individual. A study of natural resources, population, immigration, labor organization, woman and child labor. Also problems of poverty, crime, housing, with a survey of preventive work relating to the poor, defectives and delinquents. (Three hours credit.)

**3. Social Ethics.** An application of Christian ethics to economic and social phenomena. The origin and development of the family, marriage, and the social order. The ethics of property, liberalism, socialism and communism; capital and labor combines, strikes, lockouts and boycotts; public ownership and control; monopolies and modern finance; public health, control of education, traffic, etc. (Three hours credit.)

**4. Organized Charity.** A study of conditions affecting the family and community. Social treatment and application in the case of dependents and delinquents. The purposes and methods of investigation, diagnosis and treatment studied by means of selected cases. Co-operation of public and private agencies is studied, and inspection visits made to important institutions. (Three hours credit.)

## Spanish.

**A-B. Elementary Spanish. Grammar:** De Vitis. Parts of speech; regular conjugations; study of the Indicative Mood, difference of tense meanings; Imperative; use of the simpler idioms. Pronunciation, composition and conversation. Pittaro's Spanish Reader. Credit not given unless the full course is completed. (Four hours credit.)

**C-D. Intermediate Spanish.** Advanced grammar; idiomatic uses of the prepositions; irregular verbs, verbs requiring a preposition. Composition and conversation. Reading: Alarcon, El Capitan Veneno; Colona, Lecturas Recreativas. (Three hours credit.)

**5-6. Composition and Conversation.** Open to students who have completed Course A-B or who have presented two units of Spanish for admission. Course: Spanish Composition and Conversation; Valers, El Pájaro verde; Alarcon, Novelas Cortas. Two hours, both semesters. (Four credit hours.)



**7. Commercial Spanish.** Must be preceded by or taken concurrently with Spanish C-D. Practice in colloquial Spanish, commercial forms, letter-writing and advertisements. Luria, Correspondencia Commercial; current journals and other literature.

(Three credit hours.)

**8. Classical Prose.** Selections from Cervantes, Don Quijote de la Mancha; St. Theresa, Life; Ribadeneira, Historia del Cisma de Inglaterra, selections. Kelly, History of Spanish Literature.

(Three hours credit.)

**9. Classical Poetry.** Fray Luis de León, poesias; Romancero general (Durán); Jorge Manrique, Coplas, selections.

(Three hours credit.)

**10. Modern Prose.** Luis Coloma, Jeromín, Boy, La Reina Martín; José María Pereda, Peñas arriba, Cuentos y novelas; Saj. Europa salvaje; Fernán Caballero, La Gaviota, Clemencia; Valbuena, Estudios criticos.

(Three hours credit.)

**11. Modern Poetry.** Selections from the writing of Alberto Risco, José Selgas, Nuñez de Arce, Zorilla.

(Three hours credit.)

**12. Spanish Drama and Oratory.** Classical period; selections from the writings of Calderón and Lope de Vega. Modern period: Tamayo y Baus, Los hombres de bien, Lances de honor; Nuñez de Aroe, El haz de leña. Oratory. Donoso Cortés and Nocedal, Discursos.

(Three hours credit.)

## Geophysical Observatory

### Seismological and Meteorological Divisions

DIRECTOR: J. B. GOESSE, S. J.

Seismology and Meteorology with their kindred branches offer vast fields for scientific research. Jesuit institutions like those of Manila, Zikawei, Havana, and Ebro-Tortosa, have earned world-wide recognition for their work in geophysical problems. St. Louis University is trying to emulate their example.

## Undergraduate Degrees

The following degrees are conferred:

A. B., Bachelor of Arts;

B. S., Bachelor of Science;

Ph.B., Bachelor of Philosophy.

The A. B. degree is conferred if the candidate's course has included two years of college Latin.

The B. S. degree is conferred on one who has concentrated his studies, particularly during the last two years of college, on Science or Mathematics. The degree of B. S. in Medicine is conferred upon the completion of two years of Medicine, provided, of course, that the student before entering the Medical School has completed two years of college work.

The Ph. B. degree is conferred on candidates whose chief work has been in one or two of the following departments: Philosophy, History, English Literature, Economics, Political Science, Education, Sociology.

No degree, with the exception of that of Doctor of Laws (LL. D.), is given *honoris causa*.

### Requirements for the Baccalaureate Degrees.

The conditions for the Baccalaureate degrees are the following:

1. The satisfactory completion of the four years' course leading to the degree for which the student is a candidate.

2. A written thesis approved by the Dean of the College and presented on or before April 15th of the year in which the degree is expected to be conferred.

3. All work in order to be accepted in fulfillment of any requirement for the degree must be completed with grade D (70—76) or over, and three quarters of the work must be of grade C (77—84—) or above.

4. A fee of ten dollars payable in advance.

### Graduate Degrees.

Requirements for the A. M. degree:

1. The candidate must have an A. B. degree from an institution of good standing and must devote one year exclusively to resident graduate study, completing twenty-four semester hours. Two years will be required if the candidate's whole time is not devoted to study.

2. The work must ordinarily embrace one principal and one or two secondary subjects. It must involve concentrated work in some special field of study in such subjects as Philosophy, History, Economics, Law, Classics, English, Mathematics, Physics, Chemistry, Biology. Advanced courses given in the professional schools of St. Louis University will be accepted in partial fulfillment of requirements for the A. M. degree, but under no circumstances may a candidate count these same courses toward a professional degree.

3. The candidate must pass a satisfactory examination in all the subjects studied.

4. He must present a typewritten or printed thesis in his major subject.

5. A fee of \$10.00 is to be paid in advance.

b. The degree of Master of Science, M. S., is conferred under the same conditions as above when the major subject of study has been scientific.

c. Requirements for the degree of Doctor of Philosophy—Ph. D.:

The degree is conferred on one who, having previously received the Bachelor's degree from an institution of good standing, satisfies the following requirements:

1. At least three years of resident graduate work in pursuance of an accepted course of study. The course in question must include one principal and one or two secondary subjects. A reading knowledge of French and German is a prerequisite.

2. A satisfactory examination upon the work done in preparation for the degree.

3. The presentation of a satisfactory printed thesis. The chief consideration is that the candidate be able to produce valuable and original work. His thesis must therefore give evidence of ability to conduct independent and original research.

4. Such knowledge of subjects considered fundamental as may be prescribed by the several departments.

### Notes on Degrees.

1. The pursuit of professional studies with a view to a professional degree can under no circumstances be counted in fulfillment of the requirements for the A. M. degree.

2. The granting of degrees is decided by the committee on degrees.

### Honors and Prizes

HONORS. As the examinations are competitive, the combined examination and classwork record is publicly proclaimed in the Semi-Annual Assemblies at which all the students must be present. Honors and prizes at the close of the year are determined by the combined results of the classwork and examinations of the student. A student who fails in any subject at the semester examinations is thereby disqualified from all honors. Those whose average is 90% and upward, merit the distinction of First Honors, and those whose average is between 85% and 90%, Second Honors.

INTERCOLLEGIATE ENGLISH PRIZE.—A purse of \$100.00 (\$50 for the first prize, \$20 for the second, \$15 for the third, \$10 for the fourth and \$5 for the fifth) is offered yearly by Mr. D. F. Bremner, of Chicago, for excellence in English essay



writing. The purse is open to competition of the Jesuit Colleges of the Missouri Province, which are :

St. Louis University, St. Louis, Mo.  
St. Xavier College, Cincinnati, O.  
St. Ignatius College, Chicago, Ill.  
St. Mary's College, St. Mary's, Kas.  
Creighton University, Omaha, Neb.  
University of Detroit, Detroit, Mich.  
Marquette University, Milwaukee, Wis.  
St. John's College, Belize, British Honduras.  
St. Ignatius College, Cleveland, O.  
St. John's College, Toledo, O.  
Campion College, Prairie du Chien, Wis.  
Rockhurst College, Kansas City, Mo.  
Sacred Heart College, Denver, Colo.

**INTERCOLLEGIATE LATIN PRIZE.**—For the best Latin essay for competitors of the same colleges, a gold medal is offered by Very Rev. F. X. McMenamy, S. J., Provincial.

**GILFILLAN CATECHETICAL MEDAL.**—A gold medal for the best catechetical essay is offered by Rev. Francis Gilfillan, S. T. L., Rector of the Cathedral, St. Louis.

**MOSER ORATORICAL MEDAL.**—A gold medal for the best oration is offered by Mr. Leo Moser, St. Louis.

**LATIN MEDAL.**—A gold medal for the best Latin essay by a member of the Undergraduate Department.

**BYRNES PHILOSOPHICAL MEDAL.**—A gold medal for the best philosophical essay is offered by Mr. James W. Byrnes, St. Louis.

**CHURCH ELOCUTION MEDAL.**—A gold medal for the successful contestants in the Public Elocution contest is offered by Mrs. Alonzo C. Church, St. Louis, in memory of the late Mr. Alonzo C. Church.

**TANNRATH PHILOSOPHY MEDAL.**—A gold medal for Highest Honors in Junior Class of Philosophy is offered by Rt. Rev. John J. Tannrath, Rector of the Old Cathedral, St. Louis.

**MCCARTHY SHORT STORY MEDAL.**—A gold medal for the best short story published in a current magazine by a student in the Classical Course of the College of Arts, is offered by Mr. Leo D. McCarthy, St. Louis.

**SCANLAN COLLEGIATE MEDAL.**—A gold medal for Highest Honors in Sophomore Class is offered by Philip C. Scanlan, St. Louis.

**WALSH COLLEGIATE MEDAL.**—A gold medal for Highest Honors in Freshman Class is offered by Mr. Edward J. Walsh, St. Louis.

### Scholarships

In the **Collegiate Department** an Annual Scholarship is provided by the donation of \$100.00. A permanent scholarship which entitles the founder at all times to keep one scholar, designated by him and acceptable to the Faculty, free at the University, is founded by the gift of \$2,500. If the founder fails to name an incumbent, the scholarship will be conferred at the discretion of the Faculty.

**The James J. Butler Scholarships.** The sum of \$5,000 was donated by Mrs. James J. Butler in memory of Mr. James J. Butler, to found permanent Scholarships in the Classical Course. The beneficiaries of these scholarships are to be designated by the Faculty of the University.

**The Peter K. Lanahan Scholarships.** Mr. Thomas W. Lanahan, who had already founded a permanent scholarship in the Classical Course in memory of his brother Peter K. Lanahan, has donated the sum of \$1,000 towards founding a second scholarship.

**The William J. Cornet Scholarships.** In accordance with the wishes of Mr. William J. Cornet, A. B., '93, the family of the deceased has founded two permanent scholarships in the Classical Course, the beneficiaries of the same to be designated by the Faculty of the University.

The **Joseph Dodd Hartnett Scholarship**. The sum of \$2,500 was donated by the **Hartnett Family** to found a permanent scholarship, in memory of **J. Dodd Hartnett**, a former student of St. Louis University, the beneficiary of the same, preferably a youth showing inclination for the priesthood, is to be designated by the Faculty of the University.

The sum of \$100 was given by Mr. Philip C. Scanlan for an annual scholarship in the College Department, this scholarship to be known as the **Mary F. Scanlan Scholarship**.

### **Annual Scholarships**

An annual scholarship is offered by:

St. Ann's Sodality of the College Church.

Children of Mary of the College Church.

Miss Mary E. Lynch.

Friend of St. Xavier's Parish.

Friend of St. Xavier's Parish.

Miss Smith.

Seminary and Normal  
Course



## St. Stanislaus Seminary and Normal Course

### Officers and Faculty

Rev. John L. Mathery, S. J., President of Seminary.

Rev. John J. Brown, S. J., Chaplain.

Rev. James I. Doyle, S. J., Professor of English, Special  
Pedagogics and Public Speaking.

Rev. Arnold J. Garvy, S. J., Professor of English.

Rev. Matthew Germing, S. J., Dean, Professor of Latin  
and Pedagogy.

Rev. Francis P. Kemper, S. J., Professor of the History of  
Education.

Rev. William A. Mitchell, S. J., Professor of Religion and  
Asceticism.

Rev. Francis X. Nebrich, S. J., Professor of Greek and  
Public Speaking.

Rev. Patrick J. Phillips, S. J., Student Adviser and Instructor  
in Latin.

Claude M. Bakewell, S. J., Assistant Professor of Latin  
and Greek.

William Raymond O'Donnell, S. J., Instructor in Greek.

### St. Stanislaus Seminary

St. Stanislaus Seminary, though under separate management and financially not connected with the University, is affiliated to it in its academic work, and all its courses are credited towards the obtaining of degrees. There are courses in Classics, English, Education and Public Speaking, open to members of the Jesuit order only. The minimum prerequisite of academic work is the completion of a standard high school requiring four years of Latin. As a rule fully three-fourths of the students have one or more years of college work to their credit before being admitted to the school. The regular course of religious and academic training comprises four years, the first two of which are largely devoted to religious exercises for the purpose of moral training and of developing those qualities of heart and character that are so important in any teacher but most of all in the religious teacher. Study and academic instruction are not neglected, both being chiefly directed towards securing a solid foundation for the advanced work of the third and fourth years. These two years are wholly given to scholastic work. Students who are unable to do the work assigned to the last two years in a satisfactory manner within the prescribed time are required to add another year to their course before being allowed to proceed to higher studies.

#### Education

1. General history of education. Greek and Roman education; early Christian education; the influence of the fathers of the church on education; the revival under Charlemagne; scholasticism and the rise of universities; humanism; the Jesuits and higher education in the sixteenth and seventeenth centuries; modern secondary education; higher education in the United States.

Three hours.

2. Principles of Education. The aim of education; the aim and scope of secondary education; the aim of Christian education; the curriculum: educative value of the humanities, the sciences, religion, etc.; the doctrine of formal discipline; educative agencies: the home, the school, the church.

Two hours.

3. Methods of Education. The teacher: knowledge, character and personality; judgment; attention, interest; habits; how to study; the lesson; the recitation; special methods in language and literature; the problem of discipline.

Two hours.

### English

#### I. Rhetoric and Literature.

1. Teachers' course in high school English: The rhetoric of the high school, its organization and methods of presentation; the literature to be studied in the high school, its co-ordination with the other branches, its methods of study; the composition in the high school, its gradation and development, methods of correction, standards of evaluation.

Four hours. One semester.

2. Collegiate courses in rhetoric and literature, as outlined in this catalogue, p. 268. These courses are required from undergraduates who have not previously followed and completed them.

Each, four hours. One semester.

3. Advanced English. Seminary courses on special phases of the subject; the origins and development of the language; the life and literature of the various periods; continental and other influences; the national developments, their particular causes and results; the Catholic note in the life and literature.

Two hours.

## II. Public speaking.

The principles and practice of public speaking.

One hour.

2. The composition and delivery of addresses, lectures, familiar instructions, etc., at frequent intervals.

**Greek**

A-B. Elementary Course. Etymology and syntax; Xenophon, *Anabasis*; exercises and themes based on Xenophon.

Eight hours.

1. Teachers' Course in Xenophon and Homer; review of syntax and prosody.

Five hours.

2. Plato. The *Apology* and *Crito*.

Three hours.

3. Demosthenes. *Philippics*; the *Crown*; history of the development of Greek oratory.

Four hours.

4. Sophocles. *Antigone*.

Three hours.

5. Selected Greek Lyrics.

One hour.

6. Simple themes on the rules of syntax.

Two hours.

7. Themes of a more advanced character based on Demosthenes.

Two hours.



### Latin

1. Teachers' Course in Cicero and Vergil; review of syntax and prosody.

Five hours.

2. Livy, Book XXI, and selections from Book XXII.

Four hours.

3. Horace. Selected Odes and Epodes.

Three hours.

4. Horace and Juvenal. Selected Satires, with a study of the characteristics of Roman satire.

Three hours.

5. Christian Hymns, Sacred Latin Poetry from St. Ambrose to the present day.

One hour.

6. Tacitus. Agricola and Germania; other selections from the prose of the empire.

7. Plautus and Terence. Selected Plays.

Three hours.

8. Latin Composition. A course in Arnold-Bradley's Latin Prose Composition. Two hours.

9. Latin Composition. Advanced course consisting of original composition and translation of selected passages from English classic authors.

Two hours.

## College of Arts and Sciences

### Extension Course

#### Faculty

Rev. William F. Robison, S. J., President.

Rev. William I. Bundschuh, S. J., Professor of English.

Rev. Laurence J. Kenny, S. J., Professor of History.

Rev. Christopher J. Kohne, S. J., Director.

Rev. Otto J. Kuhnmuensch, S. J., Professor of Latin.

Rev. Albert Muntsch, S. J., Professor of Sociology.

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Rev. Hugo F. Slocemyer, S. J., Professor of Physics.

Mr. Francis A. Thornton, Professor of Economics and Political Science.

Mr. Carlos M. Sandoval, Professor of Economics and History.

**Location:** To make the classes more easily accessible, they are held at the Sacred Heart Academy, Taylor and Maryland; at the Visitation Academy, Cabanne place, and St. Elizabeth's Institute, 3401 Arsenal street. The Physics Class is held at the University, Grand and Pine, to afford ample Laboratory Practice.

**Credits:** Each course will give those who successfully complete it two (2) hours' credit toward a degree. Physics, Lecture and Laboratory will give four (4) hours' credit.

**Fees:** A Tuition Fee of fifteen dollars (\$15.00) is charged for the full course or any part of it.

## COURSES

**Mathematics**—College Algebra.

**The History of Philosophy.**

**Sociology**—General Principles of Social Science of interest to teachers and social welfare workers; Child Labor; Women in Industry; Immigration; Causes of Poverty; Care of the Feeble-minded and the Insane; Juvenile Delinquency; Crime and Punishment.

**History**—The XV and XVI Centuries.

**Latin**—Vergil's Aeneid, Books I-VI, inclusive.

**English**—A Study of English Poetry.

**Physics**—Mechanics, Sound, Heat. Lecture and Laboratory.

**Economics and Political Science.**

### Economics

The Division of Labor.

The Organization of Industry.

Labor, Capital and Leadership.

Laws of Price and Price Changes.

Principles of Finance.

The Federal Reserve System.

Panics, Crises and Depressions.

The Stock Market.

Bonds and Investments.

Tariff and International Trade.

Foreign Exchange.

Interest Rates and the Money Market.

The Laws of Wages and Profits.

Women as an Industrial Factor.

The Economic Outlook.

### Politics

The Campaign Issues Analyzed.

The Election Machinery.

Society and the State.

The Functions and Powers of Government.

The Governments of Antiquity.

Comparative Study of Modern Governments.

The Growth of Free Institutions.

The States and the Constitution.

Our National Government under the Constitution.

State, County and Township Government.

The Problems of the City.

Taxation.

Governmental Regulation of Economic Questions.

Women, the New Force in Politics.

America, the Hope of the World.

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## College of Arts and Sciences

Summer Session, 1920

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Rev. Henry A. Hermans, S. J., Mathematics.  
Rev. Joseph Joliat, S. J., Chemistry.  
Rev. Christopher J. Kohne, S. J., Director.  
Rev. Otto J. Kuhnmuensch, S. J., Latin.  
Rev. Thomas A. McCourt, S. J., French.  
Rev. William A. Padberg, S. J., Psychology.  
Rev. William J. Ryan, S. J., Mathematics.  
Mr. Carlos M. Sandoval, History, Economics.  
Rev. James I. Shannon, S. J., Physics.  
Mr. Francis A. Thornton, Economics.  
Rev. Thomas A. Wallace, S. J., Ethics.

Classes from June 21st to August 1st.

### Location.

Classes are held at the Academy of the Sacred Heart, Taylor and Maryland Aves. Physics, Chemistry and Mathematics are taught at the University, Grand and Pine.

### Fees

A tuition fee of fifteen dollars (\$15.00) is charged for the full course or any part of it.

### Admission

All candidates for degrees must present entrance credits amounting to fifteen units.

## Courses of Study

### **Chemistry**—College Credit, 4 Hours.

A condensed course in the fundamental laws and theories of the science. Emphasis on weight relations, calculations and processes. Brief study of Kinetic-Molecular hypothesis, Ionic theory and Atomic weights. The work is to be confined to the non-metallic elements with brief reference to basic behavior of metallic substances.

Lectures: One per day. Laboratory: One double period per day.

Text: McPherson and Henderson, General Chemistry for Colleges; Laboratory Manual to accompany same.

### **Economics**—College Credit, 2 Hours.

A concise and comprehensive treatment of the great fundamental economic laws which underlie and control the workings of industry and commerce. Modern industrial organization, laws of price and price fluctuations, money and banking, panics and depressions, international trade, the laws of interest, wages, business profits, taxation.

### **Education—Social Ethics**—College Credit, 2 Hours.

Application of the rules of morality to the individual, the family and the State; the rights and duties of man as an individual and as a member of domestic and civil society.

### **Educational Psychology**—College Credit, 2 Hours.

Cognition, intellect, genesis of intellectual ideas. Mental development, memory, imagination, free will. The soul.

### **English**—College Credit, 2 Hours.

The Drama—The history and theory of the drama; its law and its technique. Studies in dramatic criticism. Two plays of Shakespeare.



Text: The Drama, Its Law and Its Technique, by Elizabeth Woodbridge.

**French**—College Credit, 2 Hours.

Grammar review, reading, prose composition and conversation.

Text: "The New Chardenal" and Verne's "Le Tour du Monde en Quatre-Vingts Jours."

**History**—College Credit, 2 Hours.

Christian Era to the XIV Century. Early Christianity and Paganism. The Downfall of the Roman Empire. Conversion and Formation of European Nations under the Leadership of the Papacy. Feudalism. Lay-Investiture. Crusades. Rise of Catholic Spain. Religion and Culture of the Middle Ages. Origin of Universities. Inquisition.

**Latin**—Course I.

A more elementary course in Latin composition. The special subject to be treated may be briefly stated as "The Latin Subordinate Clause." Prerequisite: Candidates for this course are expected to be thoroughly familiar with the various inflections and conjugations and to have some facility in applying the fundamental rules of syntax.

Course II—College Credit, 2 Hours.

A practical course in Latin composition arranged for Freshman and Sophomore classes. Prerequisite: A complete course in High School Latin.

Texts: Kleist's "Aids to Latin Composition," Kleist's "Practical Course in Latin Composition." These will be supplemented by selections from Cicero and Livy (passim).

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**Mathematics**—College Credit, 2 Hours.

Course I. Trigonometry.—Wentworth-Smith.

Course II. Solid Geometry.—Wentworth-Smith.

**Physics**—College Credit, 4 Hours.

A very brief course in Mechanics followed by a course in the fundamental principles of Optics and Heat; certain features of Magnetism and Electricity including Wireless Telegraphy, X-Rays and Radioactivity. Daily lectures and laboratory.

The Sisters in attendance at the Summer Session:

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Sr. M. Evangelista McLaughlin

**Sisters of Charity of St. Vincent De Paul**

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Sr. M. Estelle McCarthy

Sr. M. Beatrice Connolly

Sr. M. Lucia Marron

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Sr. M. Anna Swail

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#### Others in Attendance

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 Miss Bessie McEnnis  
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## Acknowledgments

The University, like every other private educational institution, is dependent on its friends for every necessary aid in prosecuting and developing its work, and it trusts to their generosity and their zeal for the higher things for help in bringing desired improvements to a successful issue. The President and Faculty wish to express their grateful acknowledgments for the kindly spirit manifested by those who are active in forwarding the interests of the University.

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Chicago Historical Society, publications.

Chicago, Cook County Comptroller, Annual Report.

- Creveling, Dr. H. Clay, 2 vols.  
Doyle, Miss Julia M., Chicago, 5 vols.  
Duluth-Superior Traction Company, Annual Report.  
Field Museum, Chicago, all publications.  
Garesche, Rev. E. F., 2 vols.  
General Education Board, N. Y. City, publications.  
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Hartnell, George W., 1 vol.  
Illinois State Historical Society, bulletins.  
Illinois State Historical Library, Annual Report.  
Iowa State University, bulletins.  
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- University of Sidney, 1 vol.
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- United States Weather Bureau, Washington, D. C., monthly  
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- Uruguay, C. A., Consulado General, 1 vol.
- Washington University, St. Louis, bulletin.

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McKenna, John, 4 vols.  
Murphy, Anselm, 9 vols.  
Ryan, Arthur J., 26 vols.  
Sullivan, Joseph, 5 vols.  
Tighe, Raymond, 2 vols.  
Wahl, John, 1 vol.

#### To the Museum:

Budde, Chas. A., Corey, Anthony H.—A collection of fossils  
and rock specimens from Pine Ridge Reservation, S. Dak.





Alumni and Student  
Organizations

Sodality of the Blessed Virgin Mary

Erected 1835.

Director: Rev. Joseph A. Murphy, S. J.

This society is a branch of an organization existing in almost every part of the world. Its object is the mutual aid and encouragement of its members in works of piety and charity. The exercises consist of weekly meetings, with the recitation of the Office of the Blessed Virgin and an instruction on some phase of Christian life; the monthly reception of the sacraments of penance and Holy Eucharist; and such activities as are compatible with the circumstances of the members.

Collegiate Division

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Stephen Kelly.....		.....Raymond Schenk
	.....Jerome Simon	

### The University Sodality

Moderator: O. J. Kuhnmuensch, S. J.

This Society was begun in October, 1914, for the Catholic students of the Post-Graduate Courses. It makes it easy for its members to strive after and to attain that strong manly piety so desirable at the present time. It also affords many excellent means for the perfecting of the thorough Catholic Professional man. Under the auspices of the Sodality a three-days' retreat is given every year for all the Catholic Students of the University.

#### Officers

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William V. Brennan.....	Prefect—Dentistry

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Jos. Lundergan, Soph. Dent.		



## Alumni Association

Organized Nov. 18, 1869; Reorganized 1888

Its object is "to strengthen the ties which unite the members to each other, and to the Institution at which they were educated." The constitution provides that any graduate or student of the St. Louis University may become a member of the Association, subject to the rules therein specified. Meetings for the purpose of social reunion are held at stated times.

### Officers

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Mr. Alphonse E. Ganahl.....	
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1920

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George Bakewell .....	Secretary

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Rev. Joseph L. Davis, S. J.,	

Regent of the School of Commerce and Finance

Charles J. Riley.....	Graduate Manager
William J. Sullivan.....	Student Manager
Wade O. Preece.....	Student Conclave Representative
Charles M. Rademacher.....	Athletic Director

## STUDENT CONCLAVE

All the students of the departments of the University are members of the Student Conclave. Two representatives are elected by the students and one chosen by the Dean from each department having a four-year course, and one representative is elected from the Departments having two years or less, these representatives forming the legislative and executive council.

The purpose of the Conclave is to stimulate and direct student activities, to co-operate with the faculty in everything that concerns the good of the University, to generally further the interests of the Student Body.

### Officers, 1920-1921

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L. D. Honig, Vice-President.....	Law Dept.
E. F. Meinhardt, Recording Secretary.....	Commerce & Finance Dept.
J. Simon, Corresponding Secretary.....	Arts Dept.
L. I. Clark, Treasurer.....	Medical Dept.
Rev. T. J. Schulte, S. J.....	Faculty Delegate

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O'Neil Ryan

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W. O. Preece  
C. M. Wilhelmj

#### Dental

C. P. Mehaffy  
J. W. Spresser  
J. L. Moriarity

#### Pre-Medic Department

H. A. Kemp

## “FLEUR DE LIS”

### The St. Louis University Newspaper

“*The Fleur de Lis*” is the twice-a-month newspaper issued by the students of St. Louis University. Its purpose is to stimulate student activity, to record student achievements and student enterprise, to keep alive the interest of alumni in the University in which they were once students, and to serve as a medium between faculty and students. The paper is managed and edited by the students of all the departments under faculty supervision and serves as a class in practical journalism. The chief student officers for the current year are:

#### Editorial

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Louis Boisliniere .....	Assistant Editor
Paul Ferry .....	Associate Editor
Louis Miller .....	Associate Editor
William E. Dunham.....	Associate Editor
Edgar F. Meinhardt.....	Associate Editor
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Harold George	Eugene Kohler
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B. Glowacki	Frank Lee
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C. M. Sommerhauser	Alvin J. Bauman
D. W. Reilly	Adrian Klein
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George A. McNulty.....	Advertising Manager
Campbell Ryan.....	Assistant Advertising Manager
William Korfmacher .....	Circulation Manager
Anselm Murphy.....	Assistant Circulation Manager

### Students' Library Association

Organized 1855.

Moderator: Mr. J. A. Welfle, S. J.

It administers that section of the University Library which has been applied to the general use of the undergraduates and selected for their special needs. In connection with the Library is a reading room, which affords ample opportunities for acquiring information upon current topics and forming sound opinions upon important questions. Thirty-three leading magazines, reviews and journals, and a valuable collection of works of reference are at the service of the members.

#### Librarians

Fred Hausgen  
Stephen Kelly  
Roland Connell  
James Doyle  
George Prendergast

Bernard Gerwitz  
Jacob Rau  
David Burdeau  
Frederick Hempel  
John Wahl



### **College Lecture Club**

Director: Mr. Joseph A. Gschwend, S. J.

The Lecture Club is a student organization established for the purpose of giving illustrated lectures on inspiring Catholic subjects. The members of the club have spared neither pains nor labor in making each lecture interesting as well as historically accurate, in carefully preparing the speakers, and in gathering from all available sources in Europe and America, the best and most attractive illustrations of the subjects chosen for treatment. The lectures are given in Catholic schools, institutions, parish halls and before Catholic organizations.

### **Academy of Sacred Eloquence**

Moderator: Rev. Thomas F. Wallace, S. J.

Special attention to sacred eloquence is given by students of the Philosophical Department who are preparing for the School of Divinity. Each student is required to write a sermon on a given text, and, after its approval, to deliver the same before the Faculty and students. Besides this, weekly meetings are held, at which the students, in regular succession, give brief sermons on assigned texts and render selections from Holy Scripture or Pulpit Oratory. The criticism then given is summed up by the moderator.

### **Campion English Academy**

Moderator: Mr. Edgar R. Smothers, S. J.

This society, organized in 1890, is composed of students of the graduate School of Philosophy and Science. The object is to give members opportunity for maintaining and developing literary interests by the hearing and handling of assigned topics in criticism. The meetings are fortnightly.

## The Academy of Philosophy and Science

Moderator: Mr. Gerald P. Walsh, S. J.

This Association is composed of students of the Graduate Schools of Philosophy and Science. The object of the Academy is to encourage original research and study; to afford its members an opportunity for the presentation of Philosophic and Scientific thought in a popular and elegant English dress; and in general to promote fluent writing, literary taste, and a cultured scholarship along philosophical and scientific lines.

### The Course of Lectures

1920-1921

October 20.....	Mr. J. R. Gibbons
Kodak Pictures and the Chemistry of the Darkroom	
November 3.....	Mr. A. J. Keller
The Chemistry of Foods	
December 1.....	Mr. A. J. Renshaw
A Star of Romanticism	
December 22.....	Mr. J. J. Cordes
The Appreciation of Pictures	
January 12.....	Mr. F. A. Macke
Musical Sounds	
January 26.....	Mr. L. A. Foster
Evaporation—A Cooling Process	
March 16.....	Mr. N. J. Dreyfus
Phenomena of "Double-Personality"	
April 20.....	Mr. A. P. Farrell
The Influence of the Scientific Spirit on Modern Literature	

## Theological Academy

Moderator: Mr. Martin J. Phee, S. J.

This society is composed of students of the Divinity School. Meetings are held bi-weekly, at which questions in Dogmatic and Apologetic Theology, in Biblical History and Exegesis are presented and discussed by the members.

### 1920-1921

- |                  |   |                        |
|------------------|---|------------------------|
| October 27.....  | Rev. L. J. Puhl<br>Characteristics of the Gospel of St. Matthew                 | Rev. L. J. Puhl        |
| November 10..... | Mr. D. A. Lord<br>The New Mythology   | Mr. D. A. Lord         |
| November 24..... | Rev. M. J. Gruenthaner<br>A Biblical Interpretation of the Problem of Suffering | Rev. M. J. Gruenthaner |
| December 15..... | Mr. W. M. Magee<br>Moral Problems of Life Insurance                             | Mr. W. M. Magee        |
| January 5.....   | Mr. J. F. McElmeel<br>Who Saved Oregon?   | Mr. J. F. McElmeel     |
| January 19.....  | Mr. E. J. O'Connor<br>The Licit Use of Hypnotism                                | Mr. E. J. O'Connor     |
| February 19..... | Mr. E. M. Beck<br>The Great Treason   | Mr. E. M. Beck         |
| March 9.....     | Mr. J. F. Walsh<br>Evidences of Protestant Decay                                | Mr. J. F. Walsh        |
| April 6.....     | Mr. F. J. Yealy<br>Morality and Art   | Mr. F. J. Yealy        |
| April 27.....    | Mr. L. Martin<br>Preparatory Clerical-Education Since the Council of Trent      | Mr. L. Martin          |

### History Seminar

Moderator: Rev. Francis X. Mannhardt, S. J.

The object of the History Seminar is to train the critical judgment of the historical investigator.

The method followed is that known as the essay method, in which the work is done in essays on assigned topics prepared by members of the seminar.

Disputed points in Church History form the basis of the year's work.

#### Schedule of Reports for the First Semester October, 1920, to February, 1921

##### October 10, 1920.

First Meeting: Discussion of Purposes and Methods.  
Special Study: The Romance of St. Ursula.

##### October 25, 1920.

Historical Apologetics, 1: Fr. Wm. A. Ryan, Gibbon's Explanation of the Spread of Christianity.  
Special Study: The Romance of St. Ursula (concl.).

##### November 15, 1920.

Hist. Apolog. 2: Mr. McElmeel, The Line of Demarcation, 1493, as an Instance of Papal Pretensions to the Sovereignty of the World.  
Special Study: Mr. Sacasa, Auricular Confession in the Early Church.

##### November 29, 1920.

Hist. Apolog. 3: Mr. Morton, The Church's Condemnation of Anglican Orders.  
Special Report: Mr. Roubik, Recent Publications and Noteworthy Articles in Magazines.

##### December 3, 1920.

Hist. Apolog. 4: Mr. Lord, St. Cyril and the Murder of Hypatia.  
Special Study: Mr. Willmering, The History of Christmas.

##### December 20, 1920.

Hist. Apolog. 5: Mr. Wheeler, Bad Popes, or Papal Claims and Sinful Popes.  
Special Study: Mr. Phee, The Excommunication of Luther, January 3, 1521.

##### January 3, 1921.

Hist. Apolog. 6: Mr. Egaña, Catholic and Protestant Countries Compared.  
Special Study: Mr. Metzger, Pre-Columbian Christianity in North America.



**January 16, 1921**

Hist. Apolog. 7: Mr. Roubik, Intolerance of the Church.

Special Study: Mr. Connolly, Astrology and the Mediaeval Church.

**January 21, 1921.**

Hist. Apolog. 8: Mr. Roy, the Spanish Inquisition.

Special Study: Fr. Ryan, Mediaeval Medicine.

**Schedule of Reports for the Second Semester  
February to May, 1921**

**February 14, 1921.**

Historical Apologetics: 9. Mr. Metzger, The Voyage of St. Brendan and Pre-Columbian Christianity in North America.

Special Study: Fr. Ryan, The Church and Mediaeval Medicine.

**February 28, 1921.**

Hist. Apolog. 10: Mr. Gaffney, Alva as an Exponent of Catholic Methods.

Special Study: Mr. Egaña, The History of Lent and Holy Week.

**March 8, 1921.**

Hist. Apolog. 11: Mr. Willmering, The Deposing Power of the Mediaeval Popes.

Special Study: Mr. Morton, The Author of the Stabat Mater.

**March 18, 1921.**

Hist. Apolog. 12: Mr. Phee, The Suppression of the Society of Jesus.

Special Study: Mr. Wheeler, Henry Suso, the Mystic.

**April 5, 1921.**

Hist. Apolog. 13: Mr. Sacasa, Roman Versus non-Roman Christianity at the Present Day.

Special Study: Mr. Lord, An Ancient Song and Its Modern Echoes, The Mediaeval Hymn, "Hora Novissima, tempora pessima."

**April 18, 1921.**

Hist. Apolog. 14: Mr. Connolly, Las Casas and the Beginnings of Negro Slavery in North America.

Special Study: Mr. McElmeel, The Missions of the Northwest.

**May 6, 1921.**

Special Study: Mr. Gaffney, "The Mediaeval Synthesis: Dante." (Taylor.)

## The High Schools And Commercial Department of St. Louis University

The Annual Catalogue, containing the names of Officers and Faculty, the Register of Students, the Course of Studies and information regarding the discipline, method, equipment, expenses, etc., is issued in June of each scholastic year. Classical, Scientific, English and Commercial Courses are offered in the High Schools.

Address:

**Rev. Hubert F. Brockmann, S. J.**, Loyola Hall, Compton and Eads Avenues, St. Louis, Mo.

**Rev. Christopher J. Kohne, S. J.**, St. Louis University.  
Grand Avenue and West Pine Boulevard, St. Louis, Mo.

### Scholarships

The University offers seven Free Scholarships this year to the boys of the Parish schools of the Archdiocese of St. Louis and vicinity. These scholarships will be awarded by competitive examinations to boys of the Eighth Grade. The candidate who passes the best examination will receive a scholarship covering both the High School and College courses; its value is \$720. The six other successful competitors will receive a scholarship in the High School; its value is \$320.

The examinations will be held on

SATURDAY, MAY 7, 1921

at 9 A. M., in the St. Louis University, Grand Avenue and West Pine Boulevard.









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NUMBER SIX

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FOUNDED 1818



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ST. LOUIS, MO.

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## Directory

**College of Arts and Sciences**—Grand Avenue and West Pine Boulevard. Address: St. Louis University, St. Louis, Mo.

**School of Divinity**—West Pine Boulevard. Address: St. Louis University, St. Louis, Mo.

**School of Philosophy and Science**—Lindell Boulevard. Address: St. Louis University, St. Louis, Mo.

**School of Medicine**—Address: 1402 S. Grand Avenue, St. Louis, Mo.

**St. Louis College of Dentistry**—School of Dentistry of St. Louis University. Address: 3554 Caroline Street, St. Louis, Mo.

**Institute of Law**—Address: St. Louis University Institute of Law, 3642 Lindell Boulevard, St. Louis, Mo.

**School of Commerce and Finance**—Grand Avenue and West Pine Boulevard. Address: St. Louis University, St. Louis, Mo.

**Seminary and Normal School**—St. Stanislaus Seminary,—Florissant, Mo.

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# University Calendar

## 1922.

February 1.	Second Semester begins.
February 20.	Disputations—Divinity.
February 21.	Disputations—Philosophy.
February 22.	Washington's Birthday.
March 1.	Catechetical Essay announced.
March 4.	Annual Retreat for Professional Schools.
March 7.	Oratorical Contest.
March 22.	Intercollegiate English Contest.
April 3.	Thesis Day.
	Intercollegiate Latin Contest.
April 10.	Annual Retreat, Arts and Sciences.
April 13.	Easter Recess.
April 16.	Easter.
May 8.	President's Day.
May 9.	Examinations—Law.
May 18.	Examinations—Senior Medical.
May 25.	Examinations—Medical and Dental.
May 30.	Memorial Day.
June 1.	Annual Commencement.
September 11.	Registration—Arts and Sciences.
September 11-12.	Entrance Examinations and Registration—Law.
September 25.	Sessions begin—Night Law.
September 25.	Sodalities reorganize.
October 2.	Session begins—Day Law.
October 2.	Sessions begin—Medical and Dental.
October 2.	Sessions begin—Commerce and Finance.
October 9.	First Semester—Post-Graduate Law.
October 11.	Solemn Mass of the Holy Ghost.
November 17.	Mass for Deceased Professors and Students.
November 27-28.	Disputations, Divinity and Philosophy.
November 30.	Thanksgiving Day.
December 22.	Christmas Recess begins.

## 1923.

January 3.	Classes Resumed.
January 19.	Mid-Year Examinations.





**A. M. D. G.**  
**St. Louis University**

This institution, controlled and directed by the Fathers of the Society of Jesus, was incorporated as a University under the act of the Legislature of the State of Missouri, December 28, 1832, under the corporate title of

**"ST. LOUIS UNIVERSITY,"**

and empowered to confer degrees and academical honors in all the learned professions; and generally "to have and enjoy all the powers, rights and privileges exercised by literary institutions of the same rank."

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Counsel for the Board.

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Professor of Pediatontia.
- FRED W. BAILEY, B. S., M. D., Metropolitan Building.  
Associate Professor of Surgery.
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Dean of the Faculty of Law.  
Lecturer on Patent Law.
- PAUL BAKEWELL, JR., A. B., Institute of Law.  
Real Property.
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Professor of Ophthalmology and  
Director of the Department.
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University Club Building.  
Assistant Professor of Nervous and Mental Diseases.
- LEO BARTELS, M. D., Century Building.  
Assistant in Genito-Urinary Diseases.
- IRVIN V. BARTH, A. M., LL.B., Insitute of Law.  
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Extraordinary Legal Remedies, Equity, Federal Procedure,  
Civil Practice, Suretyship.
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Lecturer on Advertising.



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Ex-Judge of the Circuit Court, City of St. Louis.  
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- IRVING H. BOEMER, M. D.,                      Metropolitan Building.  
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Insurance.
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Assistant Professor of Medicine.
- JESSE F. BOND, M. D.,                      Century Building.  
Assistant in Surgery.
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Lecturer in Auditing.
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Associate Professor of Diseases of Children.
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Associate Professor of Chemistry.
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Professor of Genito-Urinary Diseases.
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FRANK J. TAINTER, M. D., University Club Bldg.  
Associate Professor of Surgery.

BERNARD J. THOLE, A. B., LL. B., Century Bldg.  
Instructor in Law.

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Assistant Professor of Physiology.

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Assistant in Ear, Nose and Throat Diseases.

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Professor of Pathology and Director of the Department of  
Pathology and Bacteriology.
- FRANCIS A. THORTON, A. M., LL. B., University.  
Professor of Economics and Political Science.  
Secretary of School of Commerce and Finance.
- JOHN LEO TIERNEY, A. M., M. D., University Club Bldg.  
Instructor in Medicine.
- RANDALL S. TILLES, M. D., University Club Bldg.  
Instructor in Obstetrics and Gynecology.
- DAVID McCLAY TODD, A. M., M. D., 4523 Page Ave.  
Professor of General Surgery.
- WILLIAM M. TOMPKINS, LL. B., Institute of Law.  
Law of Damages.
- NOXON TOOMEY, B. A., M. D., Lister Building.  
Assistant in Dermatology.
- LISTER TUHOLSKE, A. B., M. D., 453 N. Taylor Ave.  
Assistant in Surgery.
- ALOIS E. TUREK, M. D., 2109 Arsenal St.  
Instructor in Medicine.
- HILLEL UNTERBERG, M. D., 529 Frisco Bldg.  
Assistant Professor in Nervous Diseases.
- HARRY T. UPSHAW, B. S., M. D., 3962 Botanical Ave.  
Assistant in Surgery.
- ANGELA VAN ISEGHEM, University.  
Assistant Secretary.  
School of Commerce and Finance.
- CHARLES VICAL, University.  
Chevalier de La Legion D'Honneur Croix de Guerre  
Professor of French,  
Officier de L' Instruction Publique Sciencie en Droit.
- WILLIAM H. VOGT, M. D., Metropolitan Bldg.  
Instructor in Gynecology and Obstetrics.
- EDWIN H. WAGNER, C. P. A., Arcade Bldg.  
Lecturer in Accounting.
- REV. THOMAS F. WALLACE, S. J., A. M., University.  
Professor of Ethics and Natural Law.



- REV. AUGUSTINE C. WAND, S. J., A. M., University.  
Professor of Logic and Ontology.
- BOAZ B. WATKINS, Boatmen's Bank Bldg.  
Lecturer on Contracts.
- S. A. WEINTRAUB, M. D., University Club Bldg.  
Instructor in Gynecology.
- WILLIAM WEISS, M. D., 3661 Lafayette Ave.  
Instructor in Pediatrics.
- JOSEPH J. WELSCH, B. C. S., University.  
Instructor in Accounting.
- SILAS W. WELTMER, M. D., Alexian Brothers Hospital.  
Professor of Anatomy.
- A. W. WENGER, LL. B., Times Building.  
Lecturer on Agency.
- SAMUEL B. WESTLAKE, M. D., Humboldt Bldg.  
Instructor in Ear, Nose and Throat Diseases.
- JOSEPH W. WHITE, Mercantile Trust Co.  
Lecturer on Negotiable Instruments.
- T. WISTAR WHITE, M. D., Lister Building.  
Instructor in Pediatrics.
- WILLIAM S. WIATT, M. D., 4506 Lewis Pl.  
Assistant Professor of Surgery.
- GEORGE B. WINTER, D. D. S., Frisco Building.  
Professor of Nitrous Oxide Anesthesia and the Extraction of  
Impacted Lower Third Molars.
- JOSEPH S. WRIGHT, D. D. S., 3564 Caroline St.  
Professor of Prosthetic Dentistry.
- JOHN ZAHORSKY, A. B., M. D., 536 N. Taylor.  
Professor of Children's Diseases.
- OLIVER B. ZEINERT, M. D., University Club Bldg.  
Instructor in Surgery.
- WALTER P. ZELL, D. D. S., 3126 N. Grand Ave.  
Demonstrator of Operative Dentistry.
- ALFRED ZELLER, S. J., University.  
Custodian of Laboratories.
- JOSE ZOZAYA, B. S., 1402 S. Grand Ave.  
Professor of Physiology.

## Register of Students

### List of Abbreviations.

Md.—Medicine. Dn.—Dentistry. Lw.—Law. C.F.—Commerce and Finance. Dv.—Divinity. Ph.—Philosophy and Science. Ar.—College of Arts. P.G.—Post-Graduate. P.M.—Pre-medical College Year. Sp.—Special. S.—Seminary and Normal Course. V.B.—Veterans' Bureau.

The Roman numeral indicates the first, second, third or fourth year in the Student's Course.

Abeken, Rodowe A.....	IV. Lw.....	Missouri
Acquistapace, Felix I.....	I. Dv.....	California
Adam, John H.....	I. Lw.....	Missouri
Affholder, Irvin Ernest.....	I. Dn.....	Missouri
Agnes, John.....	III. S.....	Iowa
Ahearn, Terence H.....	III. Dv.....	Illinois
Aid, Francis Harold.....	II. Md.....	Ohio
Alexander, Alva.....	II. Dn.....	Illinois
Alexander, Frederick N.....	V.B. C. F.....	Indiana
Allen, Hollis Nuttall.....	II. Md.....	Illinois
Allen, John H.....	II. C. F.....	Missouri
Allison, Ernest Fridolf.....	II. Md.....	New York
Almegourd, S. D.....	V.B. C. F.....	Missouri
Almstedt, Roland P.....	III. C. F.....	Missouri
Alphiser, Marion G.....	II. Lw.....	Missouri
Althoff, Harry S.....	I. Lw.....	Missouri
Altenbernd, Lafayette.....	I. C. F.....	Missouri
Altheide, John Paul.....	IV. Md.....	Missouri
Amaral, Edward A.....	I. Md.....	California
Amos, Elton E.....	V.B. C. F.....	Iowa
Amos, Jesse Ransom.....	II. Dn.....	Missouri
Andersen, Julius H.....	I. Lw.....	Missouri
Anderson, Charles A., Jr.....	I. Lw.....	Missouri
Anderson, Frank Oscar.....	III. Md.....	Missouri
Anger, Walter R.....	II. Lw.....	Missouri
Angstead, Charles L.....	V.B. C. F.....	Iowa
Apple, Lloyd Harold.....	I. Dn.....	Illinois
Arbogast, Arthur W.....	V.B. C. F.....	Illinois
Arnovitz, Emanuel Morris.....	II. Md.....	Illinois
Aronovitch, Boris.....	I. Md.....	New York
Arrieta, Jose.....	I. S.....	Central America
Atkinson, Vere W.....	V. B. C. F.....	Missouri

Auckley, Herbert Albert.....	I. <i>Md.</i> .....	Missouri
Auth, Tobias Paul.....	I. <i>C. F.</i> .....	Missouri
Avis, Clarence W.....	I. <i>C. F.</i> .....	Missouri
Backlar, Joseph.....	III. <i>Md.</i> .....	New York
Bader, Gordon R.....	I. <i>C. F.</i> .....	Missouri
Baehr, Fred.....	I. <i>Ar.</i> .....	Missouri
Baillie, John F.....	V.B. <i>C. F.</i> .....	Iowa
Baker, Thos. C.....	I. <i>C. F.</i> .....	Missouri
Baldus, Fred M.....	IV. <i>Dv.</i> .....	Idaho
Baldwin, Louis E.....	I. <i>Lw.</i> .....	Missouri
Ball, Jno. A.....	I. <i>C. F.</i> .....	Illinois
Bandel, Morris A.....	V.B. <i>C. F.</i> .....	Missouri
Bannantine, James L.....	I. <i>C. F.</i> .....	Missouri
Barnard, Wm. I.....	V.B. <i>C. F.</i> .....	Missouri
Barfield, Margaret B.....	I. <i>Lw.</i> .....	Texas
Baries, Edward F.....	II. <i>Lw.</i> .....	Illinois
Barker, Ralph Arthur.....	III. <i>Dn.</i> .....	Montana
Barnes, Raymond Frank.....	II. <i>Md.</i> .....	Missouri
Barnwell, Wesley James.....	IV. <i>Md.</i> .....	Missouri
Barrett, Ralph M.....	II. <i>Ar.</i> .....	Missouri
Barrow, Adlai Elwin.....	II. <i>Dn.</i> .....	Illinois
Barry, Joseph L.....	III. <i>C. F.</i> .....	Missouri
Barry, Laurence M.....	II. <i>Ph.</i> .....	Illinois
Barry, Sylvester Joseph.....	II. <i>Dn.</i> .....	Missouri
Barthelme, Francis Loraine.....	III. <i>Md.</i> .....	Illinois
Barton, Charles E.....	I. <i>Lw.</i> .....	Missouri
Barton, Joseph Roy.....	III. <i>Md.</i> .....	Michigan
Barton, Paul E.....	II. <i>C. F.</i> .....	Missouri
Bather, Harley E.....	V.B. <i>C. F.</i> .....	Missouri
Batres, Oscar Armando.....	III. <i>Dn.</i> .....	Central America
Batte, Louis H.....	III. <i>Ph.</i> .....	Canada
Baughman, T. Minton.....	I. <i>Lw.</i> .....	Oklahoma
Bauman, Alvin J.....	II. <i>Lw.</i> .....	Missouri
Baumann, Charles H.....	Sp. <i>Md.</i> .....	Illinois
Baumann, Francis C.....	II. <i>Lw.</i> .....	Missouri
Baumann, Henrietta C.....	I. <i>C. F.</i> .....	Missouri
Baumberger, Eugene J.....	P.G. <i>C. F.</i> .....	Missouri
Baumgartner, Arthur H.....	I. <i>C. F.</i> .....	Missouri
Bay, Dervin B.....	V. B. <i>C. F.</i> .....	Nebraska
Bechled, Loyd E.....	II. <i>C. F.</i> .....	Missouri
Becker, William J.....	II. <i>Ar.</i> .....	Iowa
Beck, Eugene M.....	IV. <i>Dv.</i> .....	Louisiana
Becker, William J.....	II. <i>Lw.</i> .....	Iowa

Beckham, Benj. A.....	III. Dn.....	Missouri
Berkmeyer, Chas. ....	III. C. F.....	Missouri
Beeson, Wilbur M.....	III. C. F.....	Missouri
Beffa, Theodore A.....	I. Lw.....	Missouri
Behrens, Erwin C.....	V. B. C. F.....	Iowa
Behrens, John A.....	II. C. F.....	Missouri
Beisbarth, Carl C.....	II. P. M.....	Missouri
Belleperche, R. J.....	I. Dv.....	Canada
Benish, L. D.....	I. C. F.....	Nebraska
Bennet, Foster L.....	V. Lw.....	Missouri
Bennett, Orval .....	V. Lw.....	Indiana
Benniek, Walter E.....	III. Lw.....	Missouri
Benson, John J.....	II. Ph.....	Illinois
Bentrude, George Calmar.....	III. Dn.....	Iowa
Bergin, John F.....	I. Dv.....	Colorado
Bernard, Horatio J.....	IV. Lw.....	Illinois
Bernhardt, William C.....	I. Lw.....	Missouri
Berresheim, Herbert H.....	I. P. M.....	Missouri
Bertram, F. A.....	III. C. F.....	Missouri
Bestgen, Fred P.....	I. P. M.....	Kansas
Betz, John V.....	II. Ar.....	Missouri
Beuchat, Lee Joseph.....	III. Md.....	Colorado
Bevan, Roy Arnold.....	III. Dn.....	Missouri
Beverly, William John.....	I. Lw.....	Ohio
Bierman, Abe. ....	V. B. C. F.....	Missouri
Bierk, A. H.....	V. B. C. F.....	Wisconsin
Bindner, Clifford J. ....	III. Lw.....	Missouri
Bieri, John W.....	II. S.....	Illinois
Bilstein, Joseph C.....	III. S.....	Illinois
Bingenheimer, Albert B.....	I. Ar.....	Missouri
Binger, Clarence Henry.....	I. Dn.....	Missouri
Binnings, Geo. M.....	V. B. C. F.....	Missouri
Birdsall, Thomas Charles.....	IV. Md.....	Missouri
Birmingham, William Joseph.....	IV. S.....	Ohio
Bischof, Charles E.....	III. C. F.....	Missouri
Black, Benjamin C.....	III. Lw.....	Missouri
Black, Ercil L.....	III. Lw.....	Missouri
Black, Samuel P.....	I. C. F.....	Missouri
Blackwood, Samuel Hale.....	III. Dn.....	Arkansas
Blaha, Joseph Albert.....	III. Dn.....	Illinois
Blank, Benjamin .....	III. Md.....	California
Blasini, Francois Jose.....	I. Md.....	Maryland
Blessinger, Paul J. C.....	II. P. M.....	Indiana



Blood, Charles B.....	I. <i>Lw.</i> .....	Missouri
Bloomer, Louis A.....	III. <i>Ph.</i> .....	Wisconsin
Boehl, Henry V.....	III. <i>C. F.</i> .....	Missouri
Boehm, Ella M.....	I. <i>Lw.</i> .....	Missouri
Boemer, Lilburn Casper.....	I. <i>Md.</i> .....	Missouri
Boettcher, Arthur F.....	I. <i>C. F.</i> .....	Missouri
Boettner, Geo. H.....	I. <i>C. F.</i> .....	Missouri
Bofenkamp, Ferdinand W.....	III. <i>Md.</i> .....	Minnesota
Boggiano, John Maurice.....	I. <i>Dn.</i> .....	Missouri
Bohan, John R.....	I. <i>Lw.</i> .....	Missouri
Bohn, Irvin H.....	I. <i>C. F.</i> .....	Illinois
Boland, Donald J.....	II. <i>C. F.</i> .....	Missouri
Boland, Edward R. A.....	I. <i>Dv.</i> .....	California
Boldizar, Julius.....	II. <i>Md.</i> .....	Ohio
Bolhafner, Robert .....	V.B. <i>C. F.</i> .....	Missouri
Bolte, John A.....	IV. <i>Dv.</i> .....	Kentucky
Bomer, Champ D.....	I. <i>Lw.</i> .....	Missouri
Bond, Baxter B.....	I. <i>Lw.</i> .....	Missouri
Booher, Wm. G.....	V.B. <i>C. F.</i> .....	Kansas
Boos, W. J.....	II. <i>C. F.</i> .....	Missouri
Booth, George M.....	I. <i>Lw.</i> .....	Missouri
Borho, William G.....	I. <i>Ph.</i> .....	Canada
Bork, Eugene A.....	I. <i>Dv.</i> .....	Ohio
Borroughs, Allan F.....	II. <i>Lw.</i> .....	Illinois
Boschert, Henry F. ....	III. <i>C. F.</i> .....	Missouri
Bost, David Elsworth.....	II. <i>Dn.</i> .....	Illinois
Bowers, Walter .....	II. <i>Lw.</i> .....	Missouri
Boyer, William T.....	I. <i>Lw.</i> .....	Missouri
Boyle, Alfred A.....	I. <i>C. F.</i> .....	Missouri
Boyle, Clyde Kennedy.....	IV. <i>Dn.</i> .....	Illinois
Boyle, Stephen A.....	IV. <i>Dv.</i> .....	Nebraska
Bradley, Earl Harden.....	I. <i>Dn.</i> .....	Missouri
Bradshaw, Robert B.....	I. <i>Lw.</i> .....	Missouri
Bragdon, John I.....	V.B. <i>C. F.</i> .....	Illinois
Bramer, Max.....	II. <i>Dn.</i> .....	Illinois
Brand, Fred W.....	I. <i>C. F.</i> .....	Missouri
Brandau, Christopher .....	III. <i>C. F.</i> .....	Missouri
Brandt, Oliver James.....	III. <i>Dn.</i> .....	Missouri
Braunagel, Louis B.....	III. <i>C. F.</i> .....	Missouri
Bray, William Harry.....	I. <i>Lw.</i> .....	Illinois
Breitenstein, George Wendelin.....	II. <i>Dn.</i> .....	Missouri
Brinkman, Jules J.....	I. <i>C. F.</i> .....	Missouri
Brennan, Emmet J.....	III. <i>C. F.</i> .....	Missouri

Brennan, John A.	II. P. M.	Missouri
Brennan, Lawrence F.	I. C. F.	Missouri
Brennan, Richard M.	I. Ar.	Missouri
Brennan, Vincent L.	IV. S.	Michigan
Brennan, William A.	III. Lw.	Missouri
Brennan, William Vasquez	III. Dn.	Missouri
Brier, Archibald J.	II. Md.	Kansas
Brill, Emil E.	IV. Lw.	Missouri
Brinkhaus, Armand L.	III. Md.	Louisiana
Brinkman, Edmund H.	I. C. F.	Missouri
Briscoe, John W.	I. C. F.	Missouri
Brockmeyer, Edward H.	I. C. F.	Missouri
Brocksmith, Herman L.	I. C. F.	Missouri
Bromeling, Jay V.	V.B. C. F.	Michigan
Bromschwig, Frederic	II. Ar.	Missouri
Brooks, Fred E.	I. Lw.	Missouri
Brooks, Peter A.	I. S.	Wisconsin
Brosch, Charles George	I. Dn.	Missouri
Brown, Leo C.	I. S.	Missouri
Brown, Philip V.	I. C. F.	Missouri
Brown, Richard J.	I. Dv.	Minnesota
Browne, Benj. Le Roy	I. C. F.	Missouri
Brutton, Anna	Sp. C. F.	Missouri
Brutton, Wm. J.	I. C. F.	Missouri
Bryan, Enoch M., Jr.	II. P. M.	Arkansas
Bryant, Robert T.	III. Dv.	Alabama
Buechele, Keith Leonard	I. Dn.	Iowa
Bungart, Frank P.	I. Dv.	Ohio
Burger, Helen L.	I. C. F.	Missouri
Burgen, Robert O.	V.B. C. F.	Missouri
Burkè, Frederick T.	II. P. M.	Oregon
Burke, John P.	II. Ph.	Illinois
Burns, Chester A.	III. Ph.	Ohio
Burns, Dennis F.	II. Dv.	Illinois
Burns, Earl L.	II. Ph.	Indiana
Burns, J. Maurice	I. C. F.	Illinois
Burns, Josephine	Sp. C. F.	Missouri
Burns, Roberts S.	II. Dv.	California
Burris, Wallace Miles	III. Dn.	Missouri
Burroughs, William H., Jr.	III. Md.	Indiana
Burton, John A.	II. C. F.	Missouri
Busch, Henry	II. Dv.	Ohio
Busch, Leo	I. Ar.	Missouri
Busch, Max, Lewis	IV. Md.	New Jersey

Bushell, Charles Booth.....	I. Dn.....	Missouri
Butler, Charles O.....	III. Lw.....	Illinois
Byrne, James.....	IV. Ar.....	Missouri
Byrne, Louis S.....	I. C. F.....	Missouri
Caffery, Bryan.....	II. Dn.....	Illinois
Cahill, Richard A.....	II. S.....	Minnesota
Callan, Frances P.....	I. Ph.....	Illinois
Calvin, Roy E.....	V.B. C. F.....	Kansas
Campbell, David V.....	III. Lw.....	Missouri
Campbell, Elvis Sewell.....	II. Dn.....	Missouri
Canaday, Raymond.....	II. Lw.....	Illinois
Canelo, Clarence Kelly.....	III. Md.....	California
Canepa, John Baptist.....	II. Md.....	Missouri
Carey, Michael J.....	IV. Ar.....	Nebraska
Carl, Michal J.....	III. C. F.....	Missouri
Carpinello, Edward Alfred.....	IV. Md.....	New York
Carlson, Martin E.....	V.B. C. F.....	Texas
Carroll, George Alexander.....	I. Md.....	Minnesota
Carroll, Paul L.....	III. Ph.....	Missouri
Carron, Lionel V.....	I. Dv.....	Michigan
Carson, Earl L.....	II. C. F.....	Missouri
Carter, Marion Lee.....	I. Ar.....	Illinois
Casey, Jerome Steele.....	I. C. F.....	Missouri
Casey, Sylvester R.....	II. C. F.....	Missouri
Cassidy, Edward Daniel.....	I. Dn.....	Missouri
Catanzaro, Joseph Bernard.....	I. Lw.....	Missouri
Cavanaugh, Paul W.....	I. S.....	Ohio
Cerda, Salvador, Jr.....	I. Md.....	Missouri
Chamberlain, Cecil Harding.....	III. S.....	Kentucky
Champe, Lawrence I.....	V.B. C. F.....	Kansas
Chappuis, Alfred.....	II. Ar.....	Missouri
Charlton, Evart Anthony.....	I. Lw.....	Missouri
Charney, Leon Judas.....	I. Md.....	Colorado
Chenot, Albert L.....	III. C. F.....	Missouri
Chenoweth, Avery Hobart.....	IV. Dn.....	Illinois
Chesterson, Warren Glenn.....	III. Dn.....	Indiana
Chouquette, Charles H.....	III. C. F.....	Missouri
Christ, Oliver Melvin.....	I. Md.....	Illinois
Christel, Chas. H.....	I. C. F.....	Missouri
Christeson, Edgar Lee.....	IV. Md.....	Missouri
Church, Robert Kenneth.....	II. Dn.....	Illinois
Cizek, Miro.....	I. C. F.....	Missouri
Clancy, Patrick J.....	IV. Lw.....	Missouri

Clancy, Thomas J.....	III. C. F.....	Missouri
Clark, Chas. W.....	III. S.....	Illinois
Clark, Kevin .....	II. Lw.....	Missouri
Clark, Lawrence I.....	III. Md.....	Ohio
Clark, Margaret B.....	I. Lw.....	Missouri
Clark, Richard.....	I. Dn.....	Iowa
Clark, Riley, Jr. ....	V.B. C. F.....	Iowa
Clark, Wm. H.....	V.B. C. F.....	Missouri
Cleary, Frank X.....	I. Lw.....	Missouri
Clerkin, Francis P.....	I. S.....	Wisconsin
Clifford, Leo R.....	II. Lw.....	Illinois
Cloran, Owen M.....	I. Ph.....	Ohio
Clymore, Daniel Bradley.....	I. Dn.....	Illinois
Cody, Alexander J.....	IV. Dv.....	California
Coffey, Charles W.....	V.B. C. F.....	Nebraska
Cohen, Meyer .....	II. Md.....	Missouri
Cohn, Eugene .....	I. Dn.....	Missouri
Coleman, James J.....	V.B. C. F.....	Kansas
Colfer, Thomas J.....	III. Ar.....	Missouri
Colford, James L.....	I. Dv.....	Florida
Colin, Clarence Hypolite.....	II. Dn.....	Missouri
Collard, Lewis W.....	I. Lw.....	Missouri
Collins, George W.....	III. Lw.....	Missouri
Collins, Herbert Rodney.....	II. Md.....	Oklahoma
Collins, John J.....	II. C. F.....	Missouri
Collum, Geraldine .....	I. Lw.....	Missouri
Colnon, Edward L.....	IV. S.....	Illinois
Colum, James A.....	I. C. F.....	Missouri
Corner, Francis B.....	II. C. F.....	Missouri
Condon, Stephen C.....	V.B. C. F.....	Iowa
Connelly, Martin E.....	II. Lw.....	Missouri
Connelly, Richard Campbell.....	II. Md.....	Michigan
Connell, J. Roland.....	I. Ar.....	Missouri
Connell, Wm. ....	I. Dv.....	Wisconsin
Connole, Lee J.....	IV. Lw.....	Illinois
Connolly, Richard E.....	II. Dv.....	Iowa
Connor, John Joseph.....	IV. Md.....	Missouri
Conron, Thomas S.....	III. Dv.....	Illinois
Coogan, John E.....	II. Ph.....	Illinois
Cook, Andrew D.....	II. C. F.....	Missouri
Cooper, George N.....	I. C. F.....	Missouri
Corcoran, James Harold.....	II. Dn.....	Missouri
Cordero, Gil. ....	II. P. M.....	Philippines



Coressel, Leo A.....	IV. S.....	Colorado
Cornbleet, Theodore .....	III. <i>Md.</i> .....	Missouri
Costello, William J.....	II. <i>C. F.</i> .....	Missouri
Cougot, Emilie L.....	I. <i>Lw.</i> .....	Missouri
Courtney, Edward Wm.....	II. <i>S.</i> .....	Missouri
Cox, Arthur W.....	V.B. <i>C. F.</i> .....	Missouri
Cozzens, James Patrick.....	II. <i>Md.</i> .....	Ohio
Cranston, Elmer Casmos.....	III. <i>Dn.</i> .....	Oklahoma
Crail, La Verne E.....	V.B. <i>C. F.</i> .....	Iowa
Cratty, Ollie B.....	V.B. <i>C. F.</i> .....	Missouri
Cravens, Harvey Mudd.....	III. <i>Md.</i> .....	Missouri
Creane, James A.....	I. <i>Dv.</i> .....	Illinois
Cremin, Douglas Edward.....	I. <i>Dn.</i> .....	Missouri
Crissey, Verle Veldom.....	II. <i>Dn.</i> .....	Washington
Cronin, Bertrand A.....	II. <i>S.</i> .....	Ohio
Cronin, Carolan Stephen.....	IV. <i>Md.</i> .....	California
Cronin, Edwin A.....	IV. <i>S.</i> .....	Iowa
Croskrey, Glenn W.....	V.B. <i>C. F.</i> .....	Iowa
Crotty, Charles L.....	II. <i>Dv.</i> .....	Wisconsin
Crowdus, W. W.....	V. B. <i>C. F.</i> .....	Kansas
Crowe, Matt James.....	I. <i>P. M.</i> .....	Missouri
Crowley, Clarence T.....	IV. <i>S.</i> .....	Ohio
Crowley, Edward D.....	III. <i>Md.</i> .....	Michigan
Cruse, Clement J.....	IV. <i>Ar.</i> .....	Missouri
Cullen, Edward Emanuel .....	III. <i>Dn.</i> .....	Illinois
Culvert, Robert E.....	II. <i>C. F.</i> .....	Missouri
Cunningham, Edwin John.....	I. <i>C. F.</i> .....	Iowa
Cunningham, Leo C.....	I. <i>Dv.</i> .....	Ohio
Cunningham, William C.....	IV. <i>Md.</i> .....	California
Cunningham, Wm. Randall.....	I. <i>C. F.</i> .....	Missouri
Cummings, John Kilby.....	I. <i>P. M.</i> .....	Missouri
Cummings, W. Thos.....	IV. <i>S.</i> .....	Colorado
Curran, John .....	I. <i>Lw.</i> .....	Illinois
Curren, Robert Thomas .....	I. <i>Dn.</i> .....	Illinois
Curtis, Anthony G.....	II. <i>P. M.</i> .....	Missouri
Czarnecki, Casimir Joseph.....	IV. <i>Md.</i> .....	Ohio
Daboval, James Rocquet.....	I. <i>Md.</i> .....	Louisiana
Dahm, Charles H.....	II. <i>Ar.</i> .....	Missouri
Dahm, William J.....	III. <i>C. F.</i> .....	Missouri
Dahmus, Lawrence J.....	I. <i>Ar.</i> .....	Illinois
Dalton, Andrew T.....	I. <i>Lw.</i> .....	Missouri
Dalton, Arthur F.....	III. <i>Lw.</i> .....	Missouri
Daly, Chas. J.....	I. <i>C. F.</i> .....	Missouri

Daly, Edward J., Jr.	II. P. M.	Missouri
Daly, Joseph Anthony	II. Dn.	Illinois
Daly, Thos. F.	I. C. F.	Missouri
Daly, Thos. P.	IV. Dv.	Georgia
Daniels, McKinley H.	III. C. F.	Missouri
Danzer, Joseph T.	II. P. M.	Minnesota
Darmsteadter, Herbert W.	I. Lw.	Illinois
Daugherty, Milton L.	III. Lw.	Missouri
Davidson, Angus A.	II. Lw.	Oklahoma
Davis, Edw. L.	V.B. C. F.	Missouri
Davis, Francis Wm.	II. Dn.	Arkansas
Davis, George T.	II. C. F.	Missouri
Davis, Harry	I. Md.	Kansas
Davis, Harry	V.B. C. F.	Kansas
Davis, Leon	V.B. C. F.	Kentucky
Davis, Thomas Jefferson	I. Dn.	Illinois
Dawson, G. G.	II. C. F.	Missouri
Dawson, Paul	V.B. C. F.	Missouri
De Asis, Cesareo	II. Md.	Philippines
Deck Gussye	III. C. F.	Missouri
Dedman, Earl	V.B. C. F.	Kansas
Dedo, Leland C.	V.B. C. F.	Kansas
Deger, Richard John	I. Md.	Ohio
Degnan, John J.	I. Lw.	Missouri
DeGrodt, Francis J.	I. C. F.	Missouri
De Largy, James Jno.	I. C. F.	Missouri
Delebar, Julius W.	II. C. F.	Missouri
Demko, Frank	III. Md.	Missouri
DeMuth, Clement	III. S.	Wisconsin
Deneen, Daniel J.	III. C. F.	Missouri
Denk, Albert A.	II. Md.	Missouri
De Noya, Harry	Sp. Ar., C. F.	Oklahoma
Dent, Paul E.	II. S.	Missouri
Denvir, William A., Jr.	I. Ar.	Missouri
Derby, Arthur Daniel	II. Dn.	Missouri
Deutsch, Isadore Herman	I. Md.	Illinois
Dewes, Milton A.	I. C. F.	Missouri
Dewhirst, Rex E.	II. C. F.	Missouri
Dickey, Chas. J.	I. C. F.	Missouri
Dickinson, Jonathan O.	V.B. C. F.	Missouri
Diedrich, Arthur Victor	I. Dn.	Michigan
Diener, William J.	II. Dv.	Ohio
Dietz, A. F.	V. B. C. F.	Missouri

Dietz, Frank Theo.....	I. S.....	Ohio
Dietz, William E.....	II. <i>Lw</i> .....	Missouri
Dillman, Howard Brown.....	I. <i>Md</i> .....	Illinois
Dill, Arthur .....	I. <i>Lw</i> .....	Missouri
Dirks, Harry R.....	III. <i>C. F</i> .....	Missouri
Dittman, Charles H.....	I. <i>Md</i> .....	Texas
Dimichino, Andrew S.....	II. <i>Dv</i> .....	Italy
Diven, J. Field.....	II. <i>P. M</i> .....	Missouri
Diven, L. Morey.....	II. <i>P. M</i> .....	Missouri
Divine, Thomas F.....	I. <i>Ph</i> .....	Missouri
Divine, John J.....	I. S.....	Missouri
Dixon, Millege Scott.....	III. <i>Dn</i> .....	Illinois
Dizon, Gemineano .....	I. <i>Lw</i> .....	Philippines
Dodge, Thos. H.....	Sp. <i>C. F</i> .....	Missouri
Dodge, Thomas H.....	II. <i>Lw</i> .....	Arizona
Doebber, Bernard J.....	III. <i>C. F</i> .....	Missouri
Doerbaum, George L.....	III. <i>C. F</i> .....	Missouri
Doering, Raymond E.....	II. <i>Md</i> .....	North Dakota
Doerr, Alfred J.....	III. <i>C. F</i> .....	Missouri
Doerr, John George.....	I. <i>Lw</i> .....	Missouri
Doerr, Harry .....	II. <i>P. M</i> .....	Missouri
Doetsch, Oscar H.....	I. <i>C. F</i> .....	Missouri
Doherty, Michael J.....	I. <i>C. F</i> .....	Missouri
Dolan, Leo P.....	III. <i>Md</i> .....	Ohio
Donohue, Cyril P.....	III. <i>Ph</i> .....	Wisconsin
Donahue, George Richard.....	I. <i>Md</i> .....	Indiana
Donohue, Joseph I.....	I. <i>Dv</i> .....	Illinois
Donohue, J. Robert.....	II. <i>Lw</i> .....	Missouri
Donovan, Francis X.....	III. <i>Lw</i> .....	Missouri
Donovan, M. Joseph.....	III. <i>Lw</i> .....	Illinois
Donavan, Robert Jefferson.....	II. <i>Dn</i> .....	Illinois
Donovan, W. Milner.....	II. <i>Ar</i> .....	Missouri
Donovan, William P.....	III. <i>Md</i> .....	Wisconsin
Douglas, Edmund James.....	I. <i>Dn</i> .....	Illinois
Dower, Teresa L.....	Sp. <i>C. F</i> .....	Missouri
Dowling, Edward.....	III. S.....	Missouri
Downs, Charles E.....	III. <i>Lw</i> .....	Missouri
Doyle, Cletus W.....	II. S.....	Missouri
Doyle, James F.....	II. <i>Dv</i> .....	California
Doyle, James A.....	I. S.....	Wisconsin
Doyle, John C.....	III. <i>Lw</i> .....	Missouri
Doyle, Leo A.....	H. S.....	Nebraska
Doyle, William V.....	II. <i>Dv</i> .....	Colorado

Drace, Raymond Meridith.....	IV. <i>Dn</i> .....	Missouri
Drake, Hugh W.....	V.B. <i>C. F</i> .....	Indiana
Dreiling, Fridolin J.....	I. <i>P. M</i> .....	Kansas
Drewry, William Humphrey.....	I. <i>Md</i> .....	Virginia
Dreyfus, Norman J.....	III. <i>Ph</i> .....	Missouri
Drier, Roy W.....	I.C. <i>F</i> .....	Missouri
Driscoll, D. E.....	III. <i>C. F</i> .....	Missouri
Driscoll, James G.....	I. <i>C. F</i> .....	Missouri
Driscoll, Stephen B.....	II. <i>Ph</i> .....	Illinois
Droste, Elmer.....	III. <i>Lw</i> .....	Illinois
Duemler, John Henry.....	II. <i>Md</i> .....	Missouri
Duffy, James Donald.....	I. <i>Md</i> .....	Colorado
Duffy, Edward James.....	I. <i>Md</i> .....	Ohio
Duggan, James E.....	I. <i>C. F</i> .....	Missouri
Dugmore, John Barrett.....	I. <i>Dn</i> .....	Missouri
Duncan, Elmer B.....	V.B. <i>C. F</i> .....	Missouri
Duncan, Rolla C.....	V.B. <i>C. F</i> .....	Missouri
Dunham, William E.....	I. <i>Lw</i> .....	Missouri
Dunkin, Alfred V.....	II. <i>C. F</i> .....	Missouri
Dunlap, Geo. R.....	V. B. <i>C. F</i> .....	Missouri
Dunn, Walter J.....	II. <i>Lw</i> .....	Missouri
Dunst, Raymond L.....	III. <i>S</i> .....	Ohio
Dwyer, Fred J.....	II. <i>C. F</i> .....	Missouri
Dyer, John A.....	III. <i>Md</i> .....	Kansas
Dzialowski, Erwin.....	I. <i>Lw</i> .....	Missouri
Eagear, Robert J.....	I. <i>Ar</i> .....	Illinois
Early, Chas. M.....	I. <i>I</i> .....	Illinois
Eastman, George L.....	III. <i>Lw</i> .....	Missouri
Ebelmesser, Marvin Lee.....	II. <i>Dn</i> .....	Missouri
Echterhoff, Harry Robert.....	I. <i>P. M</i> .....	Missouri
Eckhardt, William G.....	II. <i>C. F</i> .....	Missouri
Eddy, Charles C.....	I. <i>Lw</i> .....	Missouri
Eddy, Harold I.....	II. <i>Lw</i> .....	Missouri
Egan, Louis B.....	II. <i>Dv</i> .....	Iowa
Egan, Matt C.....	III. <i>C. F</i> .....	Missouri
Egan, Stephen T.....	II. <i>Ph</i> .....	Nebraska
Egana, Gabinus E.....	IV. <i>Dv</i> .....	Spain
Egle, Joseph Louis.....	IV. <i>Md</i> .....	Ohio
Eggler, Alvin F.....	I. <i>C. F</i> .....	Missouri
Eggler, Clarence Aubrey.....	II. <i>Dn</i> .....	Missouri
Ehlers, Charles W.....	I. <i>P. M</i> .....	Illinois
Eichelberger, Harvey A.....	II. <i>Lw</i> .....	Missouri
Eicheldinger, Alfred A.....	I. <i>Ph</i> .....	Canada



Eisler, Robert .....	I. Ar.....	Connecticut
Eisenbeis, Felix P.....	III. C. F.....	Missouri
Ellert, Peter J.....	III. Ph.....	Canada
Ellis, Bernard Edgar.....	II. Md.....	Illinois
Ellis, George D.....	II. C. F.....	Missouri
Ellis, Robert Bertram.....	I. Md.....	Illinois
Ellis, Roland Wm.....	I. C. F.....	Missouri
Ellman, S. Edward.....	II. C. F.....	Missouri
Elmiger, Paul.....	II. C. F.....	Missouri
Ellwanger, Erle C.....	I. Lw.....	Missouri
Ely, William D.....	V. Lw.....	Missouri
Emmerson, Norman D.....	V.B. C. F.....	Iowa
Emmert, Frederick Victor.....	III. Md.....	Iowa
Emig, Walter P.....	I. C. F.....	Missouri
Emons, Clifford Wallace.....	II. Md.....	Illinois
Epperly, James Melvin.....	III. Dn.....	Missouri
Epperly, Marvin Forrest.....	IV. Dn.....	Missouri
Erickson, Claude E.....	I. C. F.....	Missouri
Ernest, Dwight Marceaux.....	II. Md.....	Illinois
Ernst, Bertram Edward.....	III. S.....	Ohio
Ernst, G. Ralph.....	II. Ar.....	Missouri
Ernst, Victor Herbert.....	III. Dn.....	Minnesota
Ertz, Joseph F.....	V.B. C. F.....	Iowa
Espab, Salvador .....	II. C. F.....	Missouri
Ettelbrick, August V.....	I. Lw.....	Missouri
Ewing, Thomas D.....	III. Ph.....	Ohio
Eye, Monte C.....	V.B. C. F.....	Missouri
Eyermann, Henry Walter.....	I. Md.....	Missouri
Fabris, Ivan M.....	I. Dv.....	California
Fagan, George I.....	III. C. F.....	Missouri
Fairham, Christine M.....	I. C. F.....	Missouri
Farmer, Everett R.....	V.B. C. F.....	Missouri
Farrell, Allan P.....	II. Ph.....	Michigan
Farrell, Leo William.....	III. Md.....	California
Fasting, George F. C.....	I. Md.....	New Jersey
Fay, William Anthony.....	III. S.....	Illinois
Feckter, Paula F.....	Sp. C. F.....	Missouri
Fehringer, Anthony J.....	I. Lw.....	Missouri
Fehrmann, Charles H., Jr.....	II. Lw.....	Missouri
Feierabend, Frank Leo.....	IV. Md.....	Missouri
Feld, John Walter.....	I. Dn.....	Iowa
Fellhauer, Martin A., Jr.....	II. Ar.....	Missouri
Fenn, Bertram A.....	I. Ar.....	Missouri

Ferguson, Chas. L.	I. C. F.	Missouri
Ferguson, Thos. I.	V.B. C. F.	Kansas
Fett, Henry A.	III. C. F.	Missouri
Fetterer, Cyril L.	I. C. F.	Illinois
Feuerborn, Harvey	II. C. F.	Missouri
Finnegan, Chas. J.	I. C. F.	Missouri
Finnegan, James P.	III. Lw	Missouri
Finnegan, Joseph D.	I. Lw	Missouri
Finnegan, Reilly E.	I. Lw	Missouri
Finnegan, Thos. A.	II. Dv	Wisconsin
Finnegan, William A.	III. Ph.	Illinois
Fiorino, John Francis	II. P. M.	Washington
Fischer, Walter Wm.	I. C. F.	Missouri
Fittge, George J.	II. Lw	Missouri
Fischer, Oscar E.	III. C. F.	Missouri
Fisher, Alphonse L.	III. Dv	Kentucky
Fisher, William Tavner	II. Dn	Oklahoma
Fitzgerald, Edmond Wm.	I. Md	Michigan
Fitzgerald, Edward T.	II. Dr	Alabama
Fitzgerald, John F.	II. C. F.	Missouri
Fitzgerald, Joseph F.	V.B. C. F.	Missouri
Fitzgerald, Joseph Francis	II. S.	Colorado
Fitzgerald, J. Caniff.	II. Ar.	Missouri
FitzGerald, Leo Peter T.	III. Md	California
Fitzgibbons, Gerald	II. Dv	Michigan
FitzGibbon, Gerald H.	II. S.	Iowa
FitzGibbon, Richard D.	II. Lw	Missouri
Fitzhugh, Benjamin Alfred	III. Dn	Arkansas
Fitzpatrick, James L.	I. S.	Colorado
Fitzroy, Harold C.	II. C. F.	Missouri
Flanagan, John E.	I. S.	Illinois
Flavan, David B.	II. P. M.	Missouri
Flaven, Thomas F.	II. C. F.	Missouri
Fleming, Harry L., Jr.	I. Lw	Missouri
Flotte, Bernard H.	III. Ar.	Missouri
Fluhr, Oswald F.	I. C. F.	Missouri
Flynn, Joseph J.	I. C. F.	Missouri
Flynn, Patrick J.	I. Ph	Canada
Flynn, Vincent M.	I. Lw	Missouri
Flynn, Willam B.	IV. Lw	Missouri
Foerstner, Harry L.	I. C. F.	Missouri
Fogarty, Wm. M.	II. C. F.	Missouri
Foley, Joseph A.	I. S.	Montana

Foley, Joseph M.	II. P. M.	Indiana
Folger, Irene	II. C. F.	Missouri
Forrey, Louis W.	III. Ph.	Iowa
Forrey, Richard R.	III. S.	Iowa
Forshaw, Joseph, Jr.	II. Lw.	Missouri
Foster, George C.	II. Lw.	Missouri
Foster, Leon A., S. J.	III. Ph.	Missouri
Fox, Edgar J.	III. C. F.	Missouri
Fox, Edward	II. C. F.	Missouri
Frain, Dominic B.	II. C. F.	Missouri
France, Wm. P.	V. B. C. F.	Iowa
Francis, Thomas Penrose	III. Dn.	Florida
Francka, Wenceslaus Frank	II. Md.	Missouri
Franey, Edwin D.	II. Lw.	Missouri
Franey, James C.	III. Lw.	Missouri
Franke, Neil	IV. Dn.	Illinois
Frankel, Sol Irwin	II. Md.	Missouri
Fraser, Burton J.	II. S.	Iowa
Freeman, Spencer Lane	IV. Md.	Missouri
Freimuth, Louis Elmer	IV. Md.	Missouri
French, Lawrence L.	V. B. C. F.	Missouri
Friend, Cyril Leo	I. Dn.	Oklahoma
Fries, Armand Dehner	IV. Md.	Missouri
Froning, Earl A.	V. B. C. F.	Missouri
Fruin, Richard L.	V. B. C. F.	Illinois
Fruin, Robert L.	I. Lw.	Missouri
Frumson, Walter Lee	I. Md.	Missouri
Fry, Hobart McKinley	IV. Dn.	Illinois
Fry, Leonard Cook	I. Md.	Missouri
Fulenwider, Harry W.	IV. Lw.	Missouri
Fuller, Marion Lanier	I. Dn.	Alabama
Fults, Floyd Zeno	III. Dn.	Indiana
Funsch, Albert Julian	I. Lw.	Missouri
Furlong, Joseph F.	III. Lw.	Missouri
Fusz, Firmin D., Jr.	I. Ar.	Missouri
Gabler, Frederick A.	IV. Lw.	Missouri
Gaetz, Anton M.	I. C. F.	Missouri
Gaffney, Edwin J.	II. Dv.	Michigan
Gaffney, Frank J.	V. B. C. F.	Missouri
Galbraith, Royal Coleman	II. Dn.	Missouri
Gale, William Matthew	I. Dn.	Missouri
Gallagher, Daniel Ignatius	II. Md.	Ohio
Gallagher, Frederick W.	I. C. F.	Oklahoma

Gallagher, Jas. M., S. J.	II. Ph.	Ohio
Gallagher, Frederick Warren	I. Lw.	Oklahoma
Gallaher, Grace C.	Sp. C. F.	Missouri
Galvin, Robert John	II. Md.	Iowa
Gannon, Frank E.	I. Lw.	Missouri
Garber, John H.	III. Lw.	Missouri
Garcia, Octavio	III. Md.	Mexico
Garden, Max	III. C. F.	Missouri
Gardner, Alfred W.	II. C. F.	Missouri
Gardner, Roy Everett	I. Lw.	Missouri
Gass, Jean M.	I. Lw.	Missouri
Garrett, Clyde E.	I. C. F.	Missouri
Garrity, Julian A.	III. Ph.	Ohio
Garrison, Jewel J.	V.B., C. F.	Missouri
Garside, Arthur A.	IV. Md.	Iowa
Garvey, Gerald B.	II. S.	Michigan
Gassner, John J.	I. C. F.	Missouri
Gavril, Sam	II. C. F.	Missouri
Gaylord, Clifford F.	V.B. C. F.	Missouri
Gedert, John Joseph	IV. Md.	Ohio
Geekie, William J.	II. Lw.	Missouri
Gerard, Oliver H.	I. C. F.	Missouri
Geraghty, Lawrence S.	II. Lw.	Missouri
Gerhard, Fred J.	V.B. C. F.	Missouri
Gerling, John Henry	III. Lw.	Missouri
Gerritzen, Aloysius F. J.	IV. Lw.	Missouri
Gerritzen, Leo W.	II. Lw.	Missouri
Gerst, John B.	I. Dv.	Missouri
Gewertz, Louis Leonard	III. Md.	California
Gibbons, John F.	III. C. F.	Missouri
Gibbons, James Richard	III. Ph.	Missouri
Gibbons, Veronica M.	I. C. F.	Missouri
Gibbs, Floyd Francis	II. Md.	Missouri
Gibson, Harry W.	III. C. F.	Missouri
Gierer, Charles O.	III. C. F.	Missouri
Giessow, Ralph R.	IV. Lw.	Missouri
Gilbert, Commodore	V.B. C. F.	Missouri
Gilliam, Earl	V.B. C. F.	Missouri
Gilmore, Edward S.	H. S.	Illinois
Gist, Lemuel Ira	II. P. M.	Missouri
Glant, Frank A.	V.B. C. F.	Missouri
Glasbrenner, Karl F.	I. Lw.	Illinois
Glaser, Belmont R.	V.B. C. F.	Missouri



Glaze, Kenneth Franklin	III. <i>Md.</i>	Missouri
Glenn, Elmer E.	II. <i>Md.</i>	Missouri
Gleick, Harry I.	I. <i>C. F.</i>	Missouri
Glick, Harry Naylor	III. <i>Md.</i>	New Jersey
Glynn, Henry Lewis	III. <i>Dn.</i>	Iowa
Godfrey, Edward J.	I. <i>C. F.</i>	Missouri
Godfrey, Eugene D.	II. <i>C. F.</i>	Missouri
Goetzman, Frederick Patrick	I. <i>Dn.</i>	Illinois
Goff, David C.	I. <i>C. F.</i>	Missouri
Goff, Melvin W.	V. B. <i>C. F.</i>	Kansas
Golden, Robert E.	I. <i>Lw.</i>	Missouri
Gollub, Max	III. <i>C. F.</i>	Missouri
Gomien, Scott	I. <i>Lw.</i>	Missouri
Gonzalez, Thomas M.	I. <i>Md.</i>	Philippines
Goodell, Daniel A.	I. <i>C. F.</i>	Missouri
Gooldy, Elwood H.	II. <i>Lw.</i>	Missouri
Gormley, Arthur V.	I. <i>Lw.</i>	Missouri
Gossow, Benjamin Geret	IV. <i>Md.</i>	Missouri
Grady, Paul Douglas	I. <i>Md.</i>	Missouri
Graeteke, Edward Wm.	I. <i>C. F.</i>	Missouri
Grannemann, Walter W.	II. <i>Lw.</i>	Missouri
Grant, George	I. <i>Ar.</i>	Pennsylvania
Grant, Richard D.	I. <i>Ar.</i>	Missouri
Glassheim, Joseph G.	Sp. <i>C. F.</i>	Missouri
Green, George Abner	I. <i>Lw.</i>	Missouri
Greenan, Edward	II. <i>Dn.</i>	Illinois
Greene, Maurice Lytton	II. <i>Md.</i>	Illinois
Greener, Charles H.	III. <i>C. F.</i>	Missouri
Greener, William E.	III. <i>C. F.</i>	Missouri
Greenway, J. Cole	II. <i>Lw.</i>	Missouri
Grellner, George J.	III. <i>Lw.</i>	Missouri
Griesedieck, August E.	III. <i>C. F.</i>	Missouri
Grindon, Alfred, Jr.	II. <i>C. F.</i>	Missouri
Grindon, Leger	II. <i>C. F.</i>	Missouri
Grissom, Esta A.	I. <i>P. M.</i>	New Mexico
Grogan, Frank Michael	I. <i>Md.</i>	Michigan
Gross, Joseph Lloyd	I. <i>Md.</i>	Missouri
Gross, Mark S.	II. <i>Dv.</i>	Missouri
Grosvenor, W. B.	V. B. <i>C. F.</i>	Missouri
Grothaus, Charles F.	II. <i>C. F.</i>	Missouri
Gouty, John C.	V. B. <i>C. F.</i>	Missouri
Gschwend, John A.	I. <i>S.</i>	Illinois
Gschwend, Wm. Chas.	Sp. <i>C. F.</i>	Missouri

Guisse, Eugene M.	I. Lw.	Missouri
Gunn, Geo. A.	IV. S.	Missouri
Gwaltney, Theo. W.	V.B. C. F.	Missouri
Haefele, Otto Wm.	II. Ph.	Canada
Hagerty, Wm. P.	II. Ph.	Illinois
Hagglund, Leonard D.	V.B. C. F.	Nebraska
Haley, F. William	II. Ar.	Kentucky
Haley, John F.	II. Lw.	Missouri
Hall, Marshall Wesley	II. Md.	Illinois
Hall, Thomas Bryan	III. Md.	Missouri
Hall, Thomas Gerald	IV. Md.	California
Halloran, John	I. Ar.	Missouri
Halloran, Leo A.	I. C. F.	Missouri
Halpin, Clifford E.	I. Lw.	Illinois
Halpin, Geo. A.	III. C. F.	Missouri
Halpin, James J.	I. Lw.	Illinois
Hamilton, Robin B.	V.B. C. F.	Missouri
Hammond, Jos. A.	I. C. F.	Missouri
Hammond, John J., Jr.	II. P. M.	Missouri
Hampton, Gordon Christy	III. Dn.	Missouri
Hanagan, Michael J.	I. Lw.	Illinois
Hanenkamp, Carl M.	III. C. F.	Missouri
Hanford, Wesley Wallace	III. Md.	Missouri
Hanifan, Edmond P.	IV. Lw.	Missouri
Hannah, Robert M.	V.B. C. F.	North Carolina
Hannan, James J.	III. Dv.	Iowa
Hannibal, John Edward	IV. Md.	Ohio
Hannigan, Marion J.	I. Lw.	Missouri
Hanyan, Clarence A.	I. C. F.	Illinois
Hardin, M. Guy	III. C. F.	Missouri
Hardman, Carney	III. Md.	West Virginia
Hardy, Joseph A.	IV. Ar.	Missouri
Harkins, Hugh E.	IV. S.	Missouri
Harlett, Robert G.	I. Ar.	Missouri
Harlow, George	I. Ar.	Missouri
Harper, James Durfee	I. Md.	Missouri
Harr, Ralph	I. Ar.	Pennsylvania
Harrington, Edward M.	II. Lw.	Missouri
Harris, Arthur C.	I. Lw.	Missouri
Harris, Lewis G.	I. Lw.	Illinois
Harris, Robert A.	III. Lw.	Illinois
Harshman, Gurney Ellsworth	III. Dn.	Illinois
Hart, Alfred Benj., Jr.	I. Md.	Minnesota

Hart, Gilbert A. D.	V.B. C. F.	Missouri
Hart, Herbert M.	I. Lw.	Missouri
Hartigan, Vincent E.	V.B. C. F.	Missouri
Hartley, John Edwin	III. Md.	Kansas
Hartley, John N.	I. Lw.	Iowa
Hartigan, Vincent E.	III. C. F.	Missouri
Hassett, Joseph N.	IV. Lw.	Missouri
Hausgen, Frederick W.	IV. Ar.	Missouri
Hauser, Robert P.	V.B. C. F.	Kansas
Hausman, Bernard A.	IV. S.	Ohio
Hausmann, Charles Rudolph	III. Dn.	Illinois
Haverfield, Walter W.	II. Lw.	Missouri
Hawe, Wm. A.	I. C. F.	Missouri
Hayes, Charles Michael	I. Md.	Illinois
Hayes, Leo Joseph	I. Dn.	Missouri
Haynes, Harrington Clanahan	III. Dn.	Illinois
Haynes, Walter S.	I. C. F.	Missouri
Healy, Edwin F.	IV. S.	Michigan
Healy, Francis P.	II. Lw.	Missouri
Healy, James Emmet	I. P. M.	Arizona
Healy, Joseph Cornelius	II. Md.	New York
Healy, Wm. J.	I. C. F.	Missouri
Heberer, Charles W.	II. C. F.	Missouri
Hebrank, Adolph W.	II. C. F.	Missouri
Hedemark, Truman A.	I. Md.	Minnesota
Heet, Milton F.	I. Ar.	Missouri
Heffernan, Frank B.	I. C. F.	Missouri
Hehman, Walter F.	III. Lw.	Missouri
Heil, George M.	III. C. F.	Missouri
Heimann, Joseph Vincent	I. Md.	Ohio
Heitgrass, Harry E.	II. C. F.	Missouri
Heithaus, Claude H.	II. S.	Missouri
Hellman, Adolph	III. Ar.	Iowa
Hellman, Joseph Bernard	II. Dn.	Iowa
Helm, Elmer L.	III. C. F.	Missouri
Hellweg, Rigobert Henry	I. Dn.	Iowa
Helwig, Gertrude B.	I. Lw.	Missouri
Helwig, Sylvester Bernard	III. Md.	Illinois
Hemp, Marly	I. Ar.	Missouri
Hendley, Harry J.	III. Lw.	Missouri
Henke, Helen	P.G. C. F.	Missouri
Hennelly, Daniel J.	I. C. F.	Illinois
Hennes, William R.	IV. S.	Michigan

Hennessy, Edward F.	I. <i>Lw.</i>	Missouri
Hennessy, Michael T.	P.G. <i>C. F.</i>	Missouri
Hennessy, Thos. J.	I. <i>C. F.</i>	Missouri
Herbert, Erle	II. <i>Lw.</i>	Missouri
Herbold, Frederick M.	I. <i>C. F.</i>	Missouri
Herbst, Walter C.	I. <i>C. F.</i>	Missouri
Herchenreder, Herbert George	I. <i>Dn.</i>	Missouri
Hermann, Charles O.	III. <i>C. F.</i>	Missouri
Hermes, Edgar Joseph	II. <i>Md.</i>	Michigan
Herold, Arthur G.	I. <i>C. F.</i>	Missouri
Herr, Vincent	III. <i>S.</i>	Ohio
Herrmann, Arthur C.	V.B. <i>C. F.</i>	Illinois
Herrmann, C. Jake	II. <i>Dn.</i>	Illinois
Herrmann, Irving R.	V.B. <i>C. F.</i>	Missouri
Herschman, Felix	IV. <i>Lw.</i>	Missouri
Hesse, Carl F.	II. <i>C. F.</i>	Missouri
Hessel, Meyer	I. <i>Lw.</i>	Missouri
Heyl, Norman L.	I. <i>C. F.</i>	Missouri
Heyne, Arthur G.	I. <i>Lw.</i>	Missouri
Hickey, James	I. <i>Ar.</i>	Illinois
Hicks, Raymond Richard	III. <i>Dn.</i>	Missouri
Hickson, Edward W.	II. <i>P. M.</i>	Missouri
Higgins, Edward James	I. <i>Lw.</i>	Massachusetts
Higgins, John M.	I. <i>Lw.</i>	Missouri
Higgs, James H.	I. <i>Lw.</i>	Missouri
Hildebrand, Norman	I. <i>Ar.</i>	Illinois
Hilke, George C.	IV. <i>S.</i>	Missouri
Hill, Cecil H.	N.B. <i>C. F.</i>	Missouri
Hill, Charles F.	II. <i>Ph.</i>	Ohio
Hill, Raymond D.	V.B. <i>C. F.</i>	Missouri
Hill, Thomas Gratton	I. <i>Dn.</i>	Illinois
Hilt, Lawrence M.	II. <i>P. M.</i>	Missouri
Hinkle, David Earl	I. <i>Lw.</i>	Missouri
Hindenach, Ralph Bernard	I. <i>Dn.</i>	Kansas
Hines, Geo. J.	V.B. <i>C. F.</i>	Iowa
Hite, Hickman H.	V.B. <i>C. F.</i>	Kansas
Hitzemann, Louis Anthony	I. <i>Md.</i>	Missouri
Hoogstraet, Rudolph Wm.	I. <i>C. F.</i>	Missouri
Hobbs, John L.	II. <i>C. F.</i>	Missouri
Hobson, Bernard	I. <i>Lw.</i>	Missouri
Hodapp, Cyril J.	I. <i>Md.</i>	Minnesota
Hodge, Charles L.	I. <i>Ar.</i>	Missouri
Hodges, William R.	V.B. <i>C. F.</i>	Arkansas



Hodous, Edward J.....	II. <i>Ph.</i> .....	Ohio.
Hoehn, Albertus L.....	III. <i>C. F.</i> .....	Missouri
Hoernschemeyer, Joseph L.....	I. <i>P. M.</i> .....	Illinois
Hof, John C.....	III. <i>C. F.</i> .....	Missouri
Hogan, Everett J.....	III. <i>S.</i> .....	Ohio
Hogg, Truman A.....	V.B. <i>C. F.</i> .....	Missouri
Hogue, Leo A.....	II. <i>S.</i> .....	Michigan
Hohner, Jeanette E.....	I. <i>C. F.</i> .....	Missouri
Hoit, Clarence W.....	V.B. <i>C. F.</i> .....	Missouri
Holan, Charles Aloysius.....	III. <i>Md.</i> .....	Ohio
Holbrook, Charles Kendall.....	III. <i>Dn.</i> .....	Illinois
Holdenried, Aloysius R.....	II. <i>P. M.</i> .....	Missouri
Holland, Wm. L. ....	V.B. <i>C. F.</i> .....	Iowa
Holliway, Howard Earnest.....	I. <i>Dn.</i> .....	Kansas
Holloran, Mark R.....	I. <i>Ar.</i> .....	Missouri
Hollowell, Harry .....	V.B. <i>C. F.</i> .....	Iowa
Holman, Charles Benj.....	I. <i>Md.</i> .....	Indiana
Holmes, Byford M.....	I. <i>Md.</i> .....	Missouri
Holten, Edmund H.....	II. <i>P. M.</i> .....	Illinois
Holton, William J.....	I. <i>Ph.</i> .....	Illinois
Honig, Laurence D.....	III. <i>Lw.</i> .....	Missouri
Hood, Stanley J.....	III. <i>C. F.</i> .....	Missouri
Hoope, F. J.....	II. <i>C. F.</i> .....	Missouri
Hopmann, Raymond H.....	III. <i>C. F.</i> .....	Missouri
Horn, A. Richard.....	I. <i>Lw.</i> .....	Missouri
Horn, Bernard A.....	I. <i>Dv.</i> .....	Ohio
Horn, Leon W.....	V.B. <i>C. F.</i> .....	Missouri
Horne, Edmund J.....	II. <i>S.</i> .....	Pennsylvania
Horst, George L.....	II. <i>C. F.</i> .....	Missouri
Horton, Frank Blenden.....	I. <i>Lw.</i> .....	Missouri
Hotz, John William.....	I. <i>Md.</i> .....	Illinois
Hough, William J.....	I. <i>Lw.</i> .....	Missouri
Houlihan, John G.....	II. <i>Lw.</i> .....	Missouri
House, Claud W.....	III. <i>C. F.</i> .....	Missouri
Howell, Albin James.....	III. <i>Md.</i> .....	California
Howland, Robert B.....	I. <i>Ar.</i> .....	Missouri
Howlett, Roger G.....	I. <i>Ar.</i> .....	Missouri
Hrdlicka, Victor Emanuel.....	III. <i>Md.</i> .....	Missouri
Hrutkay, William Joseph.....	I. <i>P. M.</i> .....	Ohio
Huebner, Charles A.....	III. <i>C. F.</i> .....	Missouri
Huesemann, Louis E.....	V.B. <i>C. F.</i> .....	Missouri
Hughbanks, James Gard.....	II. <i>Md.</i> .....	Kansas
Hughes, Harry O.....	I. <i>Ar.</i> .....	Illinois

Hughes, John Edward.....	I. <i>Md.</i> .....	California
Hulick, Lester Paul.....	II. <i>Md.</i> .....	Illinois
Hullverson, Everett J.....	IV. <i>Lw.</i> .....	Missouri
Hunleth, Edward A.....	I. <i>Ar.</i> .....	Missouri
Hunter, Thomas F.....	I. <i>C. F.</i> .....	Missouri
Hurd, Henry.....	<i>Sp. Av.</i> .....	Illinois
Igoe, Wm. F.....	II. <i>Lw.</i> .....	Missouri
Inge, Richard.....	I. <i>Md.</i> .....	Alabama
Inman, Chelsea O.....	III. <i>Lw.</i> .....	Missouri
Ipponsugi, Riuichi.....	III. <i>Dn.</i> .....	Japan
Irving, Horace S.....	III. <i>C. F.</i> .....	Missouri
Isidro, Narcisco G.....	II. <i>C. F.</i> .....	Missouri
Israel, Abraham.....	II. <i>Dn.</i> .....	Russia
Ivancovich, Eugene M.....	III. <i>Dv.</i> .....	California
Jackson, Clancy Montague.....	III. <i>Md.</i> .....	Florida
Jacob, M. D.....	V.B. <i>C. F.</i> .....	Missouri
Jacobi, Raymond H.....	I. <i>P. M.</i> .....	Missouri
Jacobs, Charles F.....	I. <i>C. F.</i> .....	Missouri
Jacobs, Henry W.....	V.B. <i>C. F.</i> .....	Kansas
Jacobson, Lester N.....	V.B. <i>C. F.</i> .....	Missouri
Jacobus, Otilie L.....	II. <i>C. F.</i> .....	Missouri
Jacoby, John, M.....	III. <i>Ph.</i> .....	Ohio
Jaeckel, Julian C.....	I. <i>Lw.</i> .....	Illinois
James, John W.....	V.B. <i>C. F.</i> .....	Arkansas
Jameson, Claude J.....	III. <i>C. F.</i> .....	Missouri
Jannuzzo, Anthony.....	III. <i>C. F.</i> .....	Missouri
Jannuzzo, Joseph Jno.....	I. <i>C. F.</i> .....	Missouri
Janssen, James R.....	I. <i>C. F.</i> .....	Missouri
Javaux, Everett J.....	I. <i>Md.</i> .....	Missouri
Jenkins, James Thomas, Jr.....	IV. <i>Md.</i> .....	Illinois
Jenkins, Thomas J.....	I. <i>C. F.</i> .....	Missouri
Jenney, John Abraham.....	II. <i>Md.</i> .....	Ohio
Jennings, Thomas F.....	I. <i>Lw.</i> .....	Missouri
Jennings, John H.....	II. <i>P. M.</i> .....	Missouri
Jenning, Arthur G.....	IV. <i>Lw.</i> .....	Missouri
Jenny, Frank W.....	IV. <i>Lw.</i> .....	Missouri
Johannides, Christ Basil.....	I. <i>Dn.</i> .....	Missouri
Johnson, Bert Martin.....	I. <i>Md.</i> .....	Montana
Johnson, Carl H.....	II. <i>C. F.</i> .....	Missouri
Johnson, Garvies R.....	II. <i>P. M.</i> .....	Illinois
Johnson, Harry Charles.....	II. <i>Dn.</i> .....	Kentucky
Johnson, Harry F.....	IV. <i>Lw.</i> .....	Illinois
Johnson, Irl L.....	II. <i>C. F.</i> .....	Missouri
Johnson, John Sevier.....	II. <i>Ar.</i> .....	Missouri

Johnston, John H.....	II. C. F.....	Missouri
Johnston, John J.....	IV. Lw.....	Missouri
Johnston, Raymond Peter.....	I. Lw.....	Missouri
Johnston, R. T.....	V.B. C. F.....	Colorado
Jones, Harry J.....	I. C. F.....	Missouri
Jones, Harvey Dittmer .....	II. Dn.....	Missouri
Jones, William B.....	III. C. F.....	Missouri
Jordan, Edward Carroll.....	II. Dn.....	Illinois
Jordan, John R.....	II. C. F.....	Missouri
Jorgensen, Norman.....	I. S.....	Wisconsin
Jouett, Carson Hypes.....	II. P. M.....	Illinois
Juetz, Leo A. ....	II. C. F.....	Missouri
Jurkiewicz, Edward P.....	I. C. F.....	Missouri
Kain, John Walter.....	II. Dn.....	Iowa
Kalkman, George W.....	II. Lw.....	Missouri
Kamm, Bernard August.....	I. Md.....	Indiana
Kane, Eugene A.....	I. Lw.....	Missouri
Kaplan, Abe A.....	II. Lw.....	Missouri
Kaplan, Joseph .....	II. Md.....	Pennsylvania
Karges, Walter H.....	I. Lw.....	Missouri
Karst, Bernard S.....	II. Ph.....	Minnesota
Kattus, Joseph Henry.....	III. Md.....	Ohio
Katz, Morris .....	I. Lw.....	Missouri
Kauffman, Daniel Emanud.....	II. Md.....	Indiana
Kavanagh, Alfred L.....	III. Md.....	Missouri
Kearney, William P. A.....	I. Dv.....	Maryland
Kearns, Michael Scott.....	I. Md.....	Ohio.
Keefe, John J.....	III. Dv.....	Illinois
Keegan, Harold R.....	I. M. D.....	Illinois
Keeven, Ferdinand T.....	II. S.....	Missouri
Keith, Edwin Price.....	I. Dn.....	Missouri
Keller, Adam J.....	II. Ph.....	Ohio
Keller, Albert C.....	V.B. C. F.....	Missouri
Keller, O. Edwin.....	IV. Lw.....	Missouri
Keller, Walter R.....	III. C. F.....	Missouri
Kelly, Esther G.....	Sp. C. F.....	Missouri
Kelly, Gerald A.....	II. S.....	Colorado
Kelly, James B.....	I. C. F.....	Missouri
Kelly, Joseph J.....	III. C. F.....	Missouri
Kelly, Joseph P., Jr.....	IV. Lw.....	Missouri
Kelly, John R.....	II. Lw.....	Missouri
Kelly, Patrick .....	III. S.....	Iowa
Kelly, Thos. Edwa.....	I. C. F.....	Missouri

Kelly, Walter E.....	II. <i>Dv</i> .....	Michigan
Kelly, J. Vincent .....	I. <i>Dv</i> .....	Illinois
Kelly, Vincent M.....	III. <i>C. F.</i> .....	Missouri
Kemp, Hardy Alfred.....	I. <i>Md</i> .....	Missouri
Kemper, Anita P.....	P.G. <i>C. F.</i> .....	Missouri
Kennedy, Francis H.....	III. <i>Lw</i> .....	Missouri
Kennedy, James L.....	I. <i>C. F.</i> .....	Missouri
Kennedy, Paul Vincent.....	III. <i>S.</i> .....	Michigan
Kennedy, Spalding .....	I. <i>Ar</i> .....	Missouri
Kennel, William J.....	III. <i>C. F.</i> .....	Missouri
Kenney, Sarsfield P.....	I. <i>C. F.</i> .....	Missouri
Kenniper, Arthur A.....	V.B. <i>C. F.</i> .....	Iowa
Keough, Henry E.....	I. <i>Ar</i> .....	Illinois
Keusenkothen, John L.....	II. <i>Lw</i> .....	Missouri
Kiely, Charles M. ....	III. <i>Lw</i> .....	Missouri
Kilcoyne, Francis M.....	II. <i>P.M.</i> .....	Wisconsin
Kilfoy, Edward Joseph.....	IV. <i>Md</i> .....	Iowa
Kilian, John A.....	IV. <i>Dv</i> .....	Germany
Killacky, Benedict P.....	II. <i>Ph</i> .....	Illinois
Kimmey, Virgil Adron.....	I. <i>Dn</i> .....	Kansas
Kincaid, Lester M.....	III. <i>C. F.</i> .....	Missouri
Kincheloe, Charles N.....	III. <i>C. F.</i> .....	Missouri
Kindig, Orville L.....	V.B. <i>C. F.</i> .....	Iowa
Kingery, Daniel Raymond.....	III. <i>Dn</i> .....	Missouri
Kirchoff, Wm. A.....	II. <i>C. F.</i> .....	Missouri
Kirsch, A. Foster.....	I. <i>Lw</i> .....	Missouri
Klaas, August C.....	I. <i>S.</i> .....	Missouri
Klausner, Eli Gustav.....	I. <i>Dn</i> .....	Missouri
Kleba, Henry A.....	I. <i>C.F.</i> .....	Missouri
Klence, Wm. J.....	N.B. <i>C. F.</i> .....	Iowa
Klein, Adolph H.....	I. <i>C. F.</i> .....	Missouri
Kline, Harry G.....	II. <i>C. F.</i> .....	Missouri
Klein, Herman F.....	II. <i>C. F.</i> .....	Missouri
Klocker, Francis C.....	I. <i>Ph</i> .....	Missouri
Kluempers, Harry Jos.....	I. <i>C. F.</i> .....	Missouri
Knollman, Chas. Edw.....	I. <i>C. F.</i> .....	Missouri
Knäpp, Leo J.....	II. <i>C. F.</i> .....	Missouri
Knapp, William B.....	II. <i>C. F.</i> .....	Missouri
Knapp, Thomas M.....	I. <i>Dv</i> .....	Missouri
Knapp, William F.....	I. <i>Lw</i> .....	Missouri
Kneedler, William Albert.....	I. <i>Dn</i> .....	Illinois
Koch, Edwin H.....	V.B. <i>C. F.</i> .....	Missouri
Koch, Herbert H. ....	II. <i>C. F.</i> .....	Missouri



Kocour, James Ladislas.....	II. <i>Md.</i> .....	Ohio
Koeb, Roland Anthony.....	II. <i>Md.</i> .....	Missouri
Koenig, Paul H.....	I. <i>Lw.</i> .....	Missouri
Koenig, Victor R.....	III. <i>C. F.</i> .....	Missouri
Kohler, Eugene Jacob.....	III. <i>Md.</i> .....	Missouri
Kolbohm, Frank J.....	I. <i>Lw.</i> .....	Missouri
Konzen, Leo Henry.....	I. <i>Md.</i> .....	Ohio
Kopp, Howard C.....	V.B. <i>C. F.</i> .....	Missouri
Korfmacher, William C.....	IV. <i>Ar.</i> .....	Missouri
Kovalcik, Paul P.....	III. <i>S.</i> .....	Michigan
Kraeger, Eleanore M.....	II. <i>C. F.</i> .....	Missouri
Kraft, Charles A.....	I. <i>Ar.</i> .....	Missouri
Krehbiel, Carl H.....	III. <i>C. F.</i> .....	Missouri
Krebs, Joseph F. ....	II. <i>C. F.</i> .....	Missouri
Kribs, Geo. J.....	I. <i>C. F.</i> .....	Missouri
Krieger, Edgar A.....	I. <i>C. F.</i> .....	Missouri
Krieger, Stephen R.....	I. <i>Ph.</i> .....	Missouri
Kriege, Raym. G.....	I. <i>C. F.</i> .....	Missouri
Krizek, John A.....	I. <i>S.</i> .....	Czechoslovakia
Krug, Bernard .....	I. <i>Dn.</i> .....	Missouri
Kruger, Charles F.....	I. <i>S.</i> .....	Nebraska
Kruse, Ollo P.....	V.B. <i>C. F.</i> .....	Kansas
Kruse, Walter Edward.....	III. <i>Md.</i> .....	Indiana
Kriwanek, Frank F.....	V.B. <i>C. F.</i> .....	Missouri
Kubik, Emil W.....	III. <i>C. F.</i> .....	Missouri
Kuechler, Geo. N.....	I. <i>C. F.</i> .....	Missouri
Kuhn, Alphonse F. X.....	IV. <i>S.</i> .....	Illinois
Kuhn, Wm. A.....	I. <i>C. F.</i> .....	Missouri
Lacson, Gasper C.....	III. <i>Lw.</i> .....	Philippines
Ladenberger, Chas. ....	II. <i>C. F.</i> .....	Missouri
Lahey, Raymond J.....	I. <i>Lw.</i> .....	Missouri
Lahmann, William A.....	III. <i>C. F.</i> .....	Missouri
Lambert, Cyril P.....	I. <i>S.</i> .....	Illinois
La Mothe, Charles Joseph.....	I. <i>Lw.</i> .....	Missouri
Landsbaum, Jake .....	I. <i>Dn.</i> .....	Missouri
Lane, Francis W.....	II. <i>C. F.</i> .....	Missouri
Lane, Joseph A.....	IV. <i>S.</i> .....	Illinois
Lang, Oscar N.....	V.B. <i>C. F.</i> .....	Missouri
Langen, Joseph F.....	III. <i>C. F.</i> .....	Missouri
Lang, James .....	I. <i>Ar.</i> .....	Pennsylvania
Lanning, Richard Chas.....	I. <i>Md.</i> .....	Missouri
Lannon, Joseph T.....	III. <i>Dv.</i> .....	Illinois
Larsen, H. A.....	V.B. <i>C. F.</i> .....	Kansas

Lauck, Louis A.....	II. Lw.....	Missouri
Laucks, John E.....	V.B. C. F.....	Kansas
Lauer, Wilfred G.....	III. S.....	Illinois
Laughlin, Maurice T.....	III. Lw.....	Iowa
Laughren, Leo F.....	II. Lw.....	Missouri
Laun, Oliver A.....	II. C. F.....	Missouri
Laurie, Alexander.....	II. Lw.....	Missouri
Lavin, Patrick J.....	II. C. F.....	Missouri
Lawler, Wm. Thos.....	I. C. F.....	Missouri
Leonard, Quinnus P.....	IV. S.....	Minnesota
Learmont, Richard H.....	I. Lw.....	Missouri
Lee, Charles E.....	V.B. C. F.....	Iowa
Lee, Charles M.....	V. Lw.....	Iowa
Lee, Francis.....	III. Lw.....	Missouri
Lee, George Clay.....	II. Md.....	Missouri
Lee, Roy J.....	II. Lw.....	Illinois
Leever, Frank Marvin.....	III. Dn.....	Illinois
Lefebure, Reginald R.....	IV. S.....	Michigan
Lehman, Edmund F.....	I. Ph.....	Canada
Leight, William Joseph.....	I. Md.....	Missouri
Leiker, Frank James.....	IV. Dn.....	Kansas
Lembeck, Joseph A.....	II. Md.....	Missouri
Lembeck, Theo. H.....	II. C. F.....	Missouri
Lemmer, Jerome George.....	III. S.....	Michigan
Lemon, Joseph L.....	III. Lw.....	Missouri
Lenaghan, Robert Thomas.....	IV. Md.....	Iowa
Lennon, Joseph A.....	III. Lw.....	Missouri
Lerner, Aaron B.....	V.B. C. F.....	Missouri
Lerner, Abe Frank.....	III. Md.....	Missouri
Lessig, Wm. E.....	II. C. F.....	Missouri
Leverette, Edward.....	I. Ar.....	Massachusetts
Levine, Charles.....	V.B. C. F.....	Missouri
Levis, William P.....	II. P. M.....	Illinois
Levy, Milton E.....	IV. Lw.....	Missouri
Lewis, John Rhodes, Jr.....	II. Md.....	Missouri
Lewis, Raymond H.....	I. Lw.....	Oklahoma
Lichte, Raymond Fred.....	III. Dn.....	Missouri
Lichtenstein, David B.....	II. Lw.....	Missouri
Lienhart, Conrad L.....	V.B. C. F.....	Nebraska
Limberg, Oscar Geo. R.....	I. C. F.....	Missouri
Lindauer, Curt C.....	III. Lw.....	Illinois
Lindeman, Carl H.....	I. Md.....	Indiana
Lindsay, L. Hardin.....	I. Lw.....	Missouri

Lingeman, Celeste I.....	I. C. F.....	Missouri
Linck, Timothy Martin.....	I. Lw.....	Illinois
Links, John A.....	V.B. C. F.....	Missouri
Linnell, Richard C.....	V.B. C. F.....	Kansas
Linnert, Clement Wendel.....	I. Dn.....	Missouri
Lipsitz, Ben Garrison.....	I. Md.....	Missouri
Lister, Julius James.....	II. Md.....	California
Liston, Nicholas A.....	III. Dv.....	Illinois
Lloyd, Jesse Parris.....	II. Dn.....	Texas
Lloyd, Samuel G.....	V.B. C. F.....	Missouri
Lobeck, Arthur H.....	II. C. F.....	Missouri
Lodyga, Casimir James.....	III. Dn.....	Illinois
Loescher, Herbert Ernst.....	II. Dn.....	Illinois
Loftus, Harry J.....	I. S.....	Illinois
Logan, Myrtle O.....	IV. Lw.....	Missouri
Long, William.....	I. Ar.....	Connecticut
Longhofer, Godfrey F.....	VB. C. F.....	Kansas
Lonneux, Martin J.....	IV. Dv.....	Belgium
Lord, Daniel A.....	II. Dv.....	Illinois
Lorenz, William.....	III. C. F.....	Missouri
Louis, Joseph G.....	III. C. F.....	Missouri
Lowey, Robert O.....	IV. Lw.....	Missouri
Lowry, James Dixon.....	I. Dn.....	Missouri
Lubbe, Richard B.....	I. Ar.....	Missouri
Luby, Frank Mathew.....	I. Dn.....	Missouri
Ludewig, William A.....	I. Ar.....	Missouri
Luedde, Philip N.....	II. C. F.....	Missouri
Luepke, Thomas H.....	I. Lw.....	Missouri
Luft, Clarence H.....	I. C. F.....	Missouri
Lundergan, Joseph Michael.....	III. Dn.....	Indiana
Lundt, Bernhard F.....	I. Lw.....	Nebraska
Lurkins, Earl H. C.....	III. Lw.....	Missouri
Lusky, Louis L.....	I. Lw.....	Kentucky
Lyday, Edward Franklin.....	I. Dn.....	Illinois
Lydon, Jos. James.....	I. C. F.....	Missouri
Lynch, Dan Francis.....	I. Lw.....	Nebraska
Lynch, Laurence J.....	I. Ph.....	Ohio
Lynn, Jack A.....	I. Lw.....	Missouri
Lyon, Harry A.....	VB. C. F.....	Kansas
Lyons, Arthur J.....	III. C. F.....	Missouri
Lyons, George P.....	III. C. F.....	Missouri
Lyons, George R.....	III. C. F.....	Missouri
Lyons, J. Roger.....	II. Ph.....	Wisconsin

Mackin, Daniel P.....	I. C. F.....	Missouri
Magee, Charles Delbert.....	I. Md.....	Illinois
Maguire, Edward C.....	IV. S.....	Illinois
Magee, William M.....	IV. Dv.....	Illinois
Maginn, William S.....	I. Lw.....	Missouri
Maher, John William.....	II. Dn.....	Illinois
Mahoney, Audrey W.....	II. Lw.....	Missouri
Mahoney, Beverly A.....	II. Lw.....	Missouri
Mahoney, Florence.....	III. Ph.....	Colorado
Mahoney, James J.....	I. S.....	Illinois
Mahoney, Matthew.....	I. Ar.....	Connecticut
Main, George C.....	I. Md.....	Illinois
Majerowski, Ladislaus A.....	IV. S.....	Illinois
Mallon, Wilfred M.....	I. S.....	Minnesota
Mallon, Charles E.....	III. Ph.....	Wisconsin
Malloy, John C.....	I. Ph.....	Illinois
Malloy, Joe Henry.....	I. C. F.....	Missouri
Malloy, Vincent Cornelius.....	I. Md.....	Ohio
Maloney, Harold P.....	II. P. M.....	California
Maloney, John A.....	V.B. C. F.....	Missouri
Maloy, Clarence E.....	III. Ar.....	Missouri
Mangan, John.....	I. Ar.....	Missouri
Manhard, Edw. P.....	III. S.....	Illinois
Manion, Peter John.....	I. Md.....	Minnesota
Manion, William P.....	II. Div.....	Missouri
Mankowski, Max G.....	I. Dv.....	Missouri
Manley, Louis V.....	II. Md.....	South Dakota
Mann, Nicholas H.....	I. Ph.....	Illinois
Manning, Charles Edwin.....	IV. Md.....	Wisconsin
Manning, David Franklin.....	II. Md.....	Missouri
Mansfield, Charles Wendell.....	I. Dn.....	Illinois
Marchand, John George.....	II. Md.....	Missouri
Marck, Claude H.....	VB. C. F.....	Missouri
Markoe, John P.....	II. Ph.....	Missouri
Marks, Vivian A.....	III. Lw.....	Minnesota
Marling, Peter Paul.....	III. Dn.....	Missouri
Marre, Angelo J.....	V. Lw.....	Missouri
Marre, John Milton.....	I. Dn.....	Missouri
Marsh, Francis A.....	II. P. M.....	Washington
Martin, Thomas M.....	II. P. M.....	Missouri
Martin, Winters H.....	II. Lw.....	Missouri
Martinez, Rafael.....	II. Md.....	Honduras
Maslanka, Thaddeus.....	IV. Ar.....	Missouri



Mason, Joel A.....	I. C. F.....	Missouri
Masset, James P.....	I. C. F.....	Missouri
Massey, Loren E.....	III. C. F.....	Missouri
Masterson, Leo M.....	I. Lw.....	Missouri
Masterson, Lloyd A.....	II. P. M.....	Missouri
Masterson, William C.....	II. C. F.....	Missouri
Matheson, George David.....	III. Dn.....	Washington
Matlock, Ellwood V.....	Sp. Ar.....	Missouri
Matoushek, Joseph .....	IV. Dv.....	Missouri
Matthews, Bernard J.....	I. P. M.....	Indiana
Matteson, Orlando W.....	I. Lw.....	Iowa
Mattox, William A.....	II. C. F.....	Missouri
May, Joseph F.....	I. C. F.....	Missouri
Mayer, Anthony C.....	I. Ph.....	Canada
Mayer, Leo Loeb .....	IV. Md.....	Missouri
McAllister, Edward James.....	I. Dn.....	South Dakota
McAleese, Chas. D.....	III. S.....	Illinois
McAreavy, Bernard .....	IV. Ar.....	Iowa
McAuliffe, Clarence R.....	I. S.....	Nebraska
McBride, John Charles.....	I. Md.....	Washington
McCandless, Orville Calnon .....	I. Md.....	Kansas
McCann, Lewis H.....	I. Dv.....	California
McCann, Oria Marcellus .....	III. Md.....	Missouri
McCarthy, Leo W.....	II. Lw.....	Missouri
McCarthy, Thomas J.....	II. Lw.....	Missouri
McCarthy, Paul Vincent.....	III. Md.....	South Dakota
McCartney, F. Harold.....	II. C. F.....	Missouri
McCarty, Edward J., Jr.....	I. Ar.....	Missouri
McClellan, Charles W.....	II. C. F.....	Missouri
McClure, A. ....	VB. C. F.....	Kansas
McConachie, Harry S.....	I. Lw.....	Missouri
McCormack, Robert L.....	II. S.....	Missouri
McCracken, James A.....	III. C. F.....	Missouri
McCullough, John W.....	III. C. F.....	Missouri
McCune, Charles A.....	I. Lw.....	Missouri
McCutchen, Len G.....	II. Md.....	Missouri
McDonald, Francis Xavier.....	I. Md.....	Missouri
McDonald, Helen .....	III. C. F.....	Missouri
McDonnell, Joseph M.....	II. C. F.....	Missouri
McElmeel, Joseph F.....	III. Dv.....	Iowa
McElroy, King Gerard.....	III. Ar.....	Missouri
McEnaney, Clifford Thomas.....	I. Md.....	Minnesota
McEvers, Maurice A.....	VB. C. F.....	Kansas

McEwen, John .....	VB. C. F.	Missouri
McFarland, Francis E. ....	II. C. F.	Missouri
McGaffigan, Henry C. ....	II. Lw.	Illinois
McGee, James Lloyd .....	II. Dn.	Missouri
McGhee, William J. ....	II. C. F.	Missouri
McGiboney, David R. ....	VB. C. F.	Missouri
McGill, Paul R. ....	I. Md.	Missouri
McGill, Thomas L. ....	II. P. M.	Illinois
McGinnes, Clair .....	I. Lw.	Missouri
McGinnis, James S. ....	II. S.	Ohio
McGinnis, Thomas .....	I. Lw.	Missouri
McGinnis, William S. ....	I. Md.	Illinois
McGinness, Chas. F. ....	I. C. F.	Missouri
McGlynn, Robert Emmett .....	I. Lw.	Illinois
McGovern, Donal M. ....	I. Ar.	Missouri
McGovern, Maureen E. ....	I. C. F.	Missouri
McGrail, George A. ....	IV. Lw.	Missouri
McGrath, Edward A. ....	IV. S.	Missouri
McGucken, William Joseph .....	I. Dv.	Wisconsin
McGuire, John Joseph .....	I. Md.	California
McGuire, William R. ....	II. Lw.	Illinois
McHale, Ernest R. ....	V. Lw.	Illinois
McHugh, William Jerome .....	IV. Md.	Pennsylvania
McInerny, Martin T. ....	IV. S.	Missouri
McIntyre, Elroy F. ....	II. P. M.	Ohio
McIntyre, William Kress .....	III. Md.	Ohio
McKelvey, John Allen .....	III. Dn.	Illinois
McKeon, John J. ....	II. C. F.	Missouri
McKeon, Smith T. ....	II. Lw.	Missouri
McKemie, Hubert H. ....	II. S.	Illinois
McKenna, Earl V. ....	I. C. F.	Missouri
McKenna, William O. ....	II. Lw.	Missouri
McKenzie, William .....	I. Ar.	Mississippi
McKillop, Frank Ellsworth .....	IV Dn.	South Dakota
McKnelly, William V. ....	II. P. M.	Illinois
McLaughlin, Edward W. ....	I. C. F.	Missouri
McLaughlin, James E. ....	II. Lw.	Missouri
McLemore, Walter John .....	I. Dn.	Arizona
McMahon, Elmer E. ....	V. Lw.	Iowa
McMahon, Francis Joseph .....	I. Md.	New York
McMahon, Leo Hartney .....	Sp. Md.	Minnesota
McMahon, Louis A. ....	VB. C. F.	Missouri
McMahon, P. L. ....	II. C. F.	Missouri

McMahon, Joseph P.....	II. Ph.....	Wisconsin
McMullin, Hubert R.....	VB. C. F.....	Kansas
McNair, Frederick B.....	I. C. F.....	Missouri
McNally, Gordon .....	VB. C. F.....	Missouri
McNamara, Daniel Joseph.....	I. Lw.....	Iowa
McNamara, Daniel Bernard.....	III. S.....	Wisconsin
McNamara, Marion .....	Sp. C. F.....	Missouri
McNamee, William .....	I. P. M.....	Missouri
McNulty, John J.....	II. Lw.....	Missouri
McPherson, Wayne .....	VB. C. F.....	Nebraska
McRaven, I. Corwin.....	I. C. F.....	Missouri
McTigue, Hugh Hubert.....	II. Md.....	Ohio
Meara, Francis P.....	IV. Lw.....	Missouri
Meagher, Anthony Geo.....	I. C. F.....	Missouri
Meagher, Philip P.....	III. C. F.....	Missouri
Medler, Francis Joseph.....	III. Md.....	Missouri
Meek, Teddy .....	III. Dn.....	Illinois
Mehigan, Francis J.....	III. S.....	Wisconsin
Meinhardt, Edgar F.....	III. C. F.....	Missouri
Meinhardt, Victor .....	III. Md.....	Missouri
Menager, Francois M.....	III. Dv.....	France
Mentag, Joseph P.....	IV. Dv.....	Indiana
Mentee, Edwin Robert.....	I. C. F.....	Missouri
Menze, Albert M.....	III. Lw.....	Missouri
Merget, Louis M.....	VB. C. F.....	Missouri
Merkle, Clarence .....	III. S.....	Illinois
Merryman, Harold Arthur.....	III. Dn.....	Iowa
Merz, Frank L.....	II. Lw.....	Missouri
Meserow, Leon F.....	II. C. F.....	Missouri
Meskell, James A.....	IV. Dv.....	Illinois
Messman, John C.....	I. C. F.....	Oklahoma
Messmer, Albert J.....	II. C. F.....	Missouri
Metz, Wm. ....	VB. C. F.....	Missouri
Metzger, Charles H.....	III. Dv.....	Ohio
Meyer, Earl Thomas.....	I. P. M.....	Missouri
Meyer, Louis E.....	II. S.....	Iowa
Meyer, Wallace H.....	III. C. F.....	Missouri
Meyer, Wm. Lee.....	I. C. F.....	Missouri
Meyerpeter, Jno. A.....	I. C. F.....	Missouri
Michel, Ray Wm.....	I. C. F.....	Missouri
Middleton, Wm. H.....	I. C. F.....	Missouri
Milford, John W.....	V. Lw.....	Missouri
Miller, Carl A.....	VB. C. F.....	Missouri

Miller, Charles A.	II. C. F.	Missouri
Miller, Charles P.	I. Dv.	Ohio
Miller, Elmer F.	I. C. F.	Illinois
Miller, Emil A.	V.B. C. F.	Missouri
Miller, Frederick N.	II. Ph.	Ohio
Miller, Hugh	VB. C. F.	Illinois
Miller, Joseph H.	III. Lw.	Missouri
Miller, Leonard G.	I. C. F.	Missouri
Miller, Louis E.	V. Lw.	Kentucky
Miller, Okey	I. Lw.	Illinois
Miller, Paul R.	III. Lw.	Missouri
Miller, Robert F.	II. P. M.	Ohio
Miller, Robert F., Jr.	I. Lw.	Missouri
Miller, Thomas Dwight	I. Dn.	Missouri
Miller, Thomas W., Jr.	IV. Ar.	Illinois
Miller, Wm. G.	I. C. F.	Missouri
Minton, Charles E.	III. Lw.	Missouri
Minnemann, Aloysius Wm.	I. C. F.	Missouri
Mills, Carmon	I. Dn.	Missouri
Milsark, Michael J.	II. Lw.	Missouri
Miravalle, Louis Peter	I. C. F.	Missouri
Mitchell, Jerome B.	I. Md.	Illinois
Mizera, Charles Paul	II. Dn.	Illinois
Moberg, Oscar J.	IV. Lw.	Missouri
Moder, Aloc	II. Lw.	Missouri
Moehlman, Carl Theo.	I. C. F.	Missouri
Moeller, Irwin Geo.	I. C. F.	Missouri
Moeller, William L.	III. C. F.	Missouri
Mollmann, Paul H.	I. C. F.	Missouri
Monaghan, Charles Robert	II. Dn.	Missouri
Money, F. H.	VB. C. F.	Indiana
Monnig, Eugene L.	I. S.	Illinois
Monserrat, Antonio	II. Md.	Porto Rico
Monvill, Lawrence J.	II. S.	Michigan
Moomaw, Ora Albert	IV. Dn.	Illinois
Moore, Eugene Franklin	III. Md.	Missouri
Moore, Francis X.	II. C. F.	Missouri
Moore, John H.	II. C. F.	Missouri
Moran, Harry B.	III. C. F.	Missouri
Moran, Thomas J.	I. Md.	Illinois
Morgan, Edward J.	IV. Dv.	Wisconsin
Morgan, H. Joseph	III. Lw.	Illinois
Moriarty, John Lawrence	IV. Dn.	Ohio



Morris, Chas. V.....	VB. C. F.....	Missouri
Morris, Earl Fayette.....	II. Md.....	Missouri
Morrison, C. Howard.....	I. S.....	Maryland
Morrow, Stanley A.....	I. C. F.....	Missouri
Moschenross, Clarence Ralph.....	I. Dn.....	Illinois
Moulton, Ova Lovean.....	III. Dn.....	Illinois
Movius, Clarence McKinley.....	I. Md.....	North Dakota
Moylan, Joseph R.....	I. S.....	Iowa
Mudd, James Linus.....	III. Md.....	Missouri
Mueller, Carl Edw.....	I. C. F.....	Missouri
Mueller, Francis Wm.....	I. Lw.....	Missouri
Mueller, Thomas E.....	VB. C. F.....	Nebraska
Mueller, Walter Jno.....	I. C. F.....	Missouri
Mueller, Wilbur Kenneth.....	II. Md.....	Missouri
Muenks, Paul J.....	I. C. F.....	Missouri
Mulcahy, Michael F.....	II. Lw.....	Missouri
Muldoon, Thomas F.....	III. Lw.....	Missouri
Mulhern, Patrick J.....	III. Dv.....	Illinois
Mulkey, Von.....	V.B. C. F.....	Illinois
Mullaney, E. P.....	I. Dv.....	Wisconsin
Mullany, Leo H.....	III. Dv.....	Iowa
Mullen, Cornelius V.....	II. Dv.....	California
Mullin, John E.....	I. S.....	Illinois
Muniz, Antonio.....	III. Md.....	Porto Rico
Muren, Edward J.....	III. C. F.....	Missouri
Muren, Lee J.....	III. C. F.....	Missouri
Murphy, Anselm B.....	II. Ar.....	Missouri
Murphy, Edw. J.....	VB. C. F.....	Iowa
Murphy, Francis A.....	I. Lw.....	Missouri
Murphy, George L.....	I. S.....	Ohio
Murphy, Harold A.....	I. P. M.....	Ohio
Murphy, James Edward.....	II. Md.....	Missouri
Murphy, Joseph F.....	I. Lw.....	Missouri
Murphy, James J.....	II. C. F.....	Missouri
Murphy, John P., Jr.....	II. Ar.....	Missouri
Murphy, Lawrence Edward.....	II. Dn.....	Missouri
Murphy, Paul J.....	III. C. F.....	Missouri
Murphy, Thomas H.....	I. Ph.....	Missouri
Murray, Bernard J.....	IV. Dv.....	Colorado
Murray, Edward J.....	I. Ar.....	Missouri
Murray, Marshall G.....	II. C. F.....	Missouri
Myers, George E.....	I. C. F.....	Missouri
Myers, Leo.....	I. C. F.....	Missouri

Nachmani, Isaac .....	III. <i>Md.</i> .....	Palestine
Nakada, James Robert.....	I. <i>Md.</i> .....	California
Naughton, Andrew J.....	I. <i>C. F.</i> .....	Missouri
Naughton, Sarsfield A.....	II. <i>Lw.</i> .....	Missouri
Naunheim, Herman J.....	IV. <i>Lw.</i> .....	Missouri
Navarro, Armando Silva.....	IV. <i>Md.</i> .....	Porto Rico
Neason, Jeremiah Baba.....	I. <i>Md.</i> .....	Iowa
Neenan, Edward William.....	I. <i>Dn.</i> .....	Iowa
Nelson, Edward A.....	II. <i>C. F.</i> .....	Missouri
Nelson, Herman G.....	I. <i>Lw.</i> .....	Missouri
Nelson, Myrtle E.....	I. <i>Lw.</i> .....	Missouri
Nestor, Martin F.....	II. <i>C. F.</i> .....	Missouri
Nettle, Walter Harmony.....	II. <i>Dn.</i> .....	Missouri
Neumann, Clement M.....	Pg. <i>C. F.</i> .....	Missouri
Nevins, Lynn W.....	VB. <i>C. F.</i> .....	Missouri
New, Leo T.....	I. <i>Lw.</i> .....	Missouri
Newcomb, Carmen A., Jr.....	I. <i>Lw.</i> .....	Missouri
Newell, John T.....	I. <i>S.</i> .....	Colorado
Newell, Paul W.....	III. <i>Lw.</i> .....	Wisconsin
Newman, Vance .....	IV. <i>Lw.</i> .....	Missouri
Newton, Ray Eugene.....	II. <i>Md.</i> .....	Michigan
Niemann, Oscar J.....	II. <i>C. F.</i> .....	Missouri
Nifong, Shirley E.....	VB. <i>C. F.</i> .....	Missouri
Nitschke, L. A.....	VB. <i>C. F.</i> .....	Missouri
Nolan, James E.....	I. <i>C. F.</i> .....	Missouri
Nolan, Jerome Allen .....	I. <i>Lw.</i> .....	Illinois
Nolan, John L.....	V.B. <i>C. F.</i> .....	Kansas
Nolen, Ralph W.....	II. <i>Lw.</i> .....	Missouri
Noonan, Michael S.....	I. <i>C. F.</i> .....	Missouri
Nooney, Gregory J.....	I. <i>Ar.</i> .....	Missouri
Nooy, Pierce .....	VB. <i>C. F.</i> .....	Missouri
Norton, Harry A.....	III. <i>Ph.</i> .....	Ohio
Nortkoetter, Wm. H.....	I. <i>Dv.</i> .....	Ohio
Nouss, Henry Owen.....	I. <i>Lw.</i> .....	Missouri
Nuelle, Eugene A., Jr.....	I. <i>Ar.</i> .....	Missouri
Nye, William R.....	IV. <i>Md.</i> .....	Missouri
Obert, John L.....	II. <i>C. F.</i> .....	Missouri
O'Brien, Daniel T.....	I. <i>C. F.</i> .....	Illinois
O'Brien, Edward Cornelius.....	II. <i>Md.</i> .....	Iowa
O'Brien, John E.....	I. <i>Lw.</i> .....	Missouri
O'Brien, John J.....	II. <i>S.</i> .....	Missouri
O'Brien, James J.....	II. <i>Lw.</i> .....	Missouri
Ockuly, Eugene A. ....	I. <i>P. M.</i> .....	Ohio

O'Connor, Eugene J.....	IV. <i>Dv.</i> .....	Georgia
O'Connor, Gerald Brown.....	I. <i>Md.</i> .....	California
O'Connor, Henry E.....	VB. <i>C. F.</i> .....	Iowa
O'Connor, Jerome F.....	II. <i>Ph.</i> .....	Wisconsin
O'Connor, Loren Jay.....	II. <i>P. M.</i> .....	Minnesota
O'Connor, Marvin M.....	I. <i>Dv.</i> .....	Illinois
O'Connor, Patrick J.....	III. <i>C. F.</i> .....	Missouri
O'Connor, Robert Emmett.....	III. <i>Md.</i> .....	California
O'Connor, Thomas Andrew.....	IV. <i>S.</i> .....	New York
O'Connor, Vincent D.....	I. <i>Md.</i> .....	California
O'Connell, Arthur James.....	I. <i>Ph.</i> .....	Ohio
O'Connell, John D.....	I. <i>Ar.</i> .....	Missouri
O'Donnell, Dayton H.....	I. <i>P. M.</i> .....	Michigan
O'Flaherty, Vincent M.....	II. <i>S.</i> .....	Nebraska
O'Gorman, John E.....	I. <i>Lw.</i> .....	Missouri
O'Hern, Francis J.....	III. <i>Dv.</i> .....	Iowa
Ohmer, Charles F.....	IV. <i>Lw.</i> .....	Missouri
Ohms, Wm E.....	VB. <i>C. F.</i> .....	Missouri
O'Keefe, Paul T.....	I. <i>P. M.</i> .....	Iowa
O'Leary, Fallon A.....	I. <i>Lw.</i> .....	Missouri
O'Leary, Frank Joseph.....	I. <i>Lw.</i> .....	Missouri
O'Neal, Frank Etson.....	II. <i>Dn.</i> .....	Missouri
O'Neil, Jeremiah.....	Fr. <i>Ar.</i> .....	Connecticut
O'Neill, Burke.....	IV. <i>S.</i> .....	Ohio
O'Neill, Felix B.....	III. <i>Lw.</i> .....	Oklahoma
O'Neill, James Fred.....	III. <i>Dn.</i> .....	Iowa
O'Neill, Thomas H.....	VB. <i>C. F.</i> .....	Missouri
Olney, Lawrence M.....	VB. <i>C. F.</i> .....	Iowa
O'Regan, Jas. J.....	III. <i>Dv.</i> .....	Illinois
O'Reilley, Bernard Eugene.....	I. <i>Md.</i> .....	Minnesota
Orford, James Francis.....	III. <i>S.</i> .....	Missouri
Ormsby, Joseph Aloysius.....	III. <i>S.</i> .....	Wisconsin
Osborn, Kennett A.....	II. <i>Lw.</i> .....	Missouri
O'Shaughnessy, W. J.....	III. <i>Dv.</i> .....	Wisconsin
Ostermueller, John A.....	I. <i>C. F.</i> .....	Missouri
Ossege, Arthur B.....	II. <i>P. M.</i> .....	Ohio
Ott, Harold John.....	I. <i>Md.</i> .....	Iowa
Otting, Leonard H.....	I. <i>Dv.</i> .....	Ohio
O'Toole, William L.....	II. <i>Lw.</i> .....	Illinois
Oventrop, Emil W.....	I. <i>C. F.</i> .....	Missouri
Owens, George M.....	II. <i>Lw.</i> .....	Tennessee
Owings, Zebulon Paul.....	I. <i>C. F.</i> .....	Missouri
Oxenhandler, Joseph R.....	II. <i>Lw.</i> .....	Missouri

Pack, A. Albert.....	II. Dn.....	Michigan
Palmer, Herbert E.....	VB. C. F.....	Iowa
Paepke, Paul.....	II. P. M.....	Wisconsin
Paradise, Elmer H.....	III. C. F.....	Missouri
Paradise, Norman A. R.....	II. Lw.....	Missouri
Patton, Fred H.....	VB. C. F.....	Missouri
Patton, Leslie Endicott.....	II. Md.....	Missouri
Paul, Earle Evarts.....	II. Dn.....	Illinois
Paule, Charles Edward.....	II. Md.....	Missouri
Paulinski, Edmund Alois.....	III. Dn.....	Ohio
Pauly, George A.....	IV. Lw.....	Missouri
Pautler, Ermin A.....	II. P. M.....	Illinois
Paxton, James C.....	III. C. F.....	Missouri
Payne, Floyd Owen.....	I. C. F.....	Missouri
Payne, G. H.....	VB. C. F.....	Kansas
Peacock, F. X.....	III. Dv.....	Wisconsin
Peacock, Lee Wallace.....	II. Md.....	Michigan
Pearson, Nelson Tinsley.....	III. Md.....	Missouri
Peat, Arthur R.....	II. C. F.....	Missouri
Peck, B. Wesley.....	I. Lw.....	Missouri
Pecord, Oliver J.....	II. P. M.....	Ohio
Peet, Edward C.....	III. C. F.....	Missouri
Pender, Bernard.....	III. Ar.....	Ireland
Perera, Horacio L.....	I. Lw.....	Cuba
Perko, Anthony J.....	I. Md.....	Ohio
Perrin, LeRoy Frank.....	I. Lw.....	Illinois
Perry, James C.....	IV. S.....	Colorado
Peterson, Ervin L.....	III. C. F.....	Missouri
Peterson, Morris E.....	VB. C. F.....	Kansas
Peth, Arthur W.....	IV. Lw.....	Illinois
Petrequin, Harry Joseph.....	I. Lw.....	Missouri
Pettit, Aloysius S.....	III. Dv.....	Wisconsin
Pfaff, Albert B.....	I. C. F.....	Missouri
Pfeffer, Francis Jos., Jr.....	I. Lw.....	Missouri
Pfeffer, John P.....	Sp. Ar.....	Missouri
Pfeifer, Carl E.....	I. Ar.....	Missouri
Pfeiffer, Martin G.....	VB. C. F.....	Missouri
Phee, Martin J.....	IV. Dv.....	Illinois
Phelan, Joseph L.....	VB. C. F.....	New York
Phelan, William.....	II. Lw.....	Missouri
Phillips, Henry M.....	III. Lw.....	Missouri
Phillips, John Henry.....	III. Md.....	Iowa
Phillips, Murray.....	II. Ar.....	Missouri



Phipps, John A.....	II. <i>P. M.</i> .....	Missouri
Pickard, Alpha C.....	I. <i>Md.</i> .....	Missouri
Picker, Harry .....	I. <i>C. F.</i> .....	Missouri
Piekarski, Anthony Andrew.....	II. <i>Md.</i> .....	Missouri
Pieper, Henry W.....	III. <i>Ar.</i> .....	Missouri
Pipkin, John S.....	IV. <i>Ar.</i> .....	Missouri
Pitt, William Franklin.....	III. <i>Md.</i> .....	North Carolina
Pixley, Raymond E.....	I. <i>Dn.</i> .....	Illinois
Ploch, Bernard .....	II. <i>Md.</i> .....	Missouri
Ploesser, Rudolph J.....	II. <i>C. F.</i> .....	Missouri
Ploussard, Charles Nicholas.....	IV. <i>Md.</i> .....	Illinois
Plumlee, Wm. C.....	I. <i>Md.</i> .....	New Mexico
Podrasky, Joseph S.....	I. <i>C. F.</i> .....	Louisiana
Podsedly, John A.....	II. <i>P. M.</i> .....	Ohio
Poepping, Noel A.....	I. <i>Lw.</i> .....	Missouri
Polak, William T.....	IV. <i>Lw.</i> .....	Missouri
Polischouk, David Itzkor.....	II. <i>Md.</i> .....	Russia
Poos, Omer Wm. P.....	I. <i>Lw.</i> .....	Illinois
Pope, Andrew Jackson.....	III. <i>Dn.</i> .....	Mississippi
Porter, Earl D.....	III. <i>C. F.</i> .....	Missouri
Porter, John Lancaster.....	I. <i>Md.</i> .....	Missouri
Poston, Grover C.....	IV. <i>Lw.</i> .....	Missouri
Powell, Cecil Wesley.....	I. <i>Dn.</i> .....	Missouri
Pohlman, Clarence H.....	VB. <i>C. F.</i> .....	Missouri
Pollock, Morris J.....	VB. <i>C. F.</i> .....	Kansas
Power, Anthony L.....	VB. <i>C. F.</i> .....	Missouri
Pranger, Sylvester .....	I. <i>Ar.</i> .....	Illinois
Pratte, Burgette Leon.....	III. <i>Dn.</i> .....	Missouri
Preece, Owen Wade.....	IV. <i>Md.</i> .....	Nebraska
Prendergast, George P.....	I. <i>S.</i> .....	Missouri
Preiss, William H.....	II. <i>Lw.</i> .....	Missouri
Price, Lloyd Verl.....	III. <i>Dn.</i> .....	Missouri
Prichard, Lester A.....	II. <i>Lw.</i> .....	Missouri
Proster, Thos. A.....	VB. <i>C. F.</i> .....	Arkansas
Pueser, Walter August.....	II. <i>Dn.</i> .....	Missouri
Pulskamp, Bertrand H.....	I. <i>Md.</i> .....	Indiana
Purteet, Byron J.....	III. <i>Lw.</i> .....	Missouri
Quade, George C.....	VB. <i>C. F.</i> .....	Nebraska
Quan, Francis J.....	I. <i>Lw.</i> .....	Missouri
Quermann, John E.....	III. <i>C. F.</i> .....	Missouri
Quigley, Gerald .....	I. <i>Ar.</i> .....	New York
Quinn, Bartholomew .....	I. <i>Dv.</i> .....	Colorado
Quinn, Clarence A.....	III. <i>C. F.</i> .....	Missouri

Quinn, John F.....	II. <i>Dv.</i> .....	Illinois
Quinn, J. Robert.....	II. <i>Ar.</i> .....	Missouri
Quinn, Vincent Jos. ....	I. <i>P. M.</i> .....	Missouri
Quintal, Vernon R.....	I. <i>Lw.</i> .....	Illinois
Quirk, John Timothy.....	II. <i>Md.</i> .....	Ohio
Quirk, William Leo.....	II. <i>Lw.</i> .....	Missouri
Radford, Roy H.....	III. <i>C. F.</i> .....	Missouri
Radman, Abe .....	I. <i>Lw.</i> .....	Illinois
Rafferty, Peter A.....	II. <i>C. F.</i> .....	Missouri
Raines, James M.....	II. <i>P. M.</i> .....	Missouri
Rake, Emil G.....	III. <i>C. F.</i> .....	Missouri
Rapp, Henry Emil.....	I. <i>Md.</i> .....	Missouri
Rasmusson, Martin James.....	II. <i>Lw.</i> .....	Missouri
Raterrund, Walter F.....	III. <i>C. F.</i> .....	Missouri
Rathert, Norman Fred.....	II. <i>Dn.</i> .....	Missouri
Ratican, William A., Jr.....	IV. <i>Lw.</i> .....	Missouri
Ratigan, Thomas Patrick.....	I. <i>Md.</i> .....	Washington
Rawe, John C.....	Sp. <i>Ar.</i> .....	Illinois
Rawe, John C.....	V. <i>Lw.</i> .....	Illinois
Rawleigh, George Nelson.....	II. <i>Md.</i> .....	Missouri
Ray, Dewey F.....	II. <i>Lw.</i> .....	Illinois
Ray, Louie J.....	I. <i>Lw.</i> .....	Illinois
Readey, Bartley J.....	I. <i>Lw.</i> .....	Missouri
Real, Mackey Joseph.....	III. <i>Dn.</i> .....	Missouri
Rechtien, Eugene F.....	I. <i>C. F.</i> .....	Missouri
Recker, Wayland Bernard.....	I. <i>Md.</i> .....	Ohio
Recto, Alberto R.....	I. <i>C. F.</i> .....	Phillipine Islands
Recto, Alberto R.....	II. <i>C. F.</i> .....	Phillipine Islands
Reddy, Bernard A.....	II. <i>S.</i> .....	England
Reed, William T.....	II. <i>Dv.</i> .....	New York
Reeves, Eugene Leo.....	I. <i>Lw.</i> .....	Missouri
Regan, John A. Morrow.....	II. <i>Dv.</i> .....	New Jersey
Regnier, Walter O.....	II. <i>P. M.</i> .....	Illinois
Reid, John Edward.....	II. <i>Dn.</i> .....	Arkansas
Reidelberger, Joseph P.....	I. <i>C. F.</i> .....	Illinois
Reidy, Joseph F.....	I. <i>Lw.</i> .....	Illinois
Reiley, Harold A.....	III. <i>Dv.</i> .....	New York
Reilly, Albert M.....	II. <i>Lw.</i> .....	Missouri
Reilly, Alice M.....	I. <i>C. F.</i> .....	Missouri
Reilly, Bonnor .....	I. <i>C. F.</i> .....	Missouri
Reilly, Daniel Ward.....	II. <i>Dn.</i> .....	Mississippi
Reilly, Thomas Francis.....	III. <i>Md.</i> .....	Missouri
Rein, Henrietta E.....	III. <i>C. F.</i> .....	Missouri

Reis, Andrew Joseph.....	II. Dn.....	Illinois
Reis, Charles E.....	I. Ar.....	Missouri
Renard, Henri J.....	II. Ph.....	French West Indies
Reno, George L.....	I. Dv.....	Michigan
Renshaw, Joseph A.....	III. Ph.....	Spain
Reuter, Adolph G.....	II. C. F.....	Missouri
Reuter, Edward H.....	III. C. F.....	Missouri
Reuter, Louis .....	I. Ar.....	Missouri
Reynolds, Edward Dore.....	III. Ph.....	Illinois
Richter, Edward W.....	II. P. M.....	Missouri
Riethmann, Louis W.....	II. C. F.....	Missouri
Rigden, Russell S.....	I. C. F.....	Illinois
Riley, Agnes H.....	II. Lw.....	Missouri
Riley, Gerald Cantwell.....	I. Ar.....	Missouri
Riley, Philip Arthur.....	IV. Md.....	Michigan
Rinck, George W.....	III. Lw.....	Illinois
Ring, George C.....	I. Dv.....	Missouri
Ringo, Henry Jobe.....	II. Md.....	Missouri
Ritter, Glenn Arthur.....	II. Dn.....	Illinois
Ritzel, Leland T.....	I. C. F.....	Missouri
Ritzel, Roy A.....	II. C. F.....	Missouri
Riske, Thomas A.....	I. Lw.....	Missouri
Roach, Harold John.....	II. Dn.....	Michigan
Roberson, Harold C.....	VB. C. F.....	Missouri
Roberts, John Richard.....	I. Md.....	Illinois
Robertson, Louis A.....	III. Lw.....	Missouri
Roche, Valentine J.....	I. S.....	Nebraska
Roche, William James.....	III. Md.....	Illinois
Roches, William J.....	III. C. F.....	Missouri
Rodenheiser, George B.....	I. C. F.....	Missouri
Rodenheiser, Robert .....	II. C. F.....	Missouri
Roemer, Walter A.....	I. Dv.....	Ohio
Roemer, Wm. F.....	III. Ph.....	Ohio
Rogan, Joseph P.....	III. C. F.....	Missouri
Rogan, M. Laine.....	II. Lw.....	Missouri
Rohan, Philip G.....	IV. Ar.....	Missouri
Romero, John Joseph.....	III. Dn.....	Central America
Rooney, Leo D.....	II. Dv.....	Wisconsin
Rooney, Eugene Francis.....	III. Md.....	Illinois
Roper, Delbert D.....	II. Lw.....	Illinois
Rosen, Charles Samuel.....	III. Md.....	Missouri
Rosenberger, Eurice Rudolph.....	I. Dn.....	Illinois

Ross, Radford Irwin.....	II. <i>Md.</i> .....	Idaho
Rotter, Edmund A.....	III. <i>C. F.</i> .....	Missouri
Roubik, Joseph .....	II. <i>Dv.</i> .....	Illinois
Rounsavell, Joseph H.....	VB. <i>C. F.</i> .....	Kansas
Rowe, Isaac C.....	I. <i>C. F.</i> .....	Kansas
Royal, James Walter.....	II. <i>Lw.</i> .....	Missouri
Roy, Percy A.....	II. <i>Dv.</i> .....	Louisiana
Royse, Roy Pearl.....	I. <i>Md.</i> .....	Illinois
Rozier, Geo. A.....	Sp. <i>Ar.</i> .....	Missouri
Rozier, George A.....	Sp. <i>Lw.</i> .....	Missouri
Rubenstein, William Evans.....	III. <i>Md.</i> .....	Missouri
Rubent, Rudolph .....	III. <i>C. F.</i> .....	Missouri
Ruffer, Earl P.....	II. <i>C. F.</i> .....	Missouri
Ruhl, Eugene A.....	III. <i>C. F.</i> .....	Missouri
Rupe, Guy Orlando.....	I. <i>Dn.</i> .....	Illinois
Ruppel, Peter A.....	III. <i>C. F.</i> .....	Missouri
Rusk, Fred G.....	VB. <i>C. F.</i> .....	Missouri
Russell, David Barton.....	I. <i>Lw.</i> .....	Missouri
Russell, Ralph Joseph.....	IV. <i>Md.</i> .....	Wisconsin
Russell, Richard .....	I. <i>Md.</i> .....	Kansas
Russell, Robert M.....	I. <i>P.</i> .....	Ohio
Ryan, F. Campbell.....	II. <i>Ar.</i> .....	Missouri
Ryan, Herbert E.....	I. <i>S.</i> .....	North Dakota
Ryan, John A.....	II. <i>Ph.</i> .....	Illinois
Ryan, Joseph A.....	I. <i>Dv.</i> .....	South Dakota
Ryan, John Harold.....	II. <i>Md.</i> .....	Missouri
Ryan, William D.....	III. <i>Ph.</i> .....	Colorado
Rychnovsky, Lewis Joseph.....	II. <i>Dn.</i> .....	Iowa
Sacasa, Ferdinand J.....	III. <i>Dv.</i> .....	Spain
Sadowska, Marie L.....	III. <i>C. F.</i> .....	Missouri
St. John, Dewey .....	II. <i>Lw.</i> .....	Missouri
St. John, Thomas Cornelius.....	I. <i>Md.</i> .....	Missouri
Salerno, Ralph Joseph.....	I. <i>P. M.</i> .....	Illinois
Salland, Henry, Jr.....	IV. <i>Ar.</i> .....	Missouri
Sampson, John Connelly.....	I. <i>C. F.</i> .....	Missouri
Sanders, Philip Ferdinand.....	I. <i>Dn.</i> .....	Missouri
Sappington, Clarence C.....	I. <i>Lw.</i> .....	Missouri
Saterlee, Fred W.....	VB. <i>C. F.</i> .....	Kansas
Sauer, Earl Joseph.....	III. <i>Dn.</i> .....	Illinois
Sauer, Frederick K.....	II. <i>P. M.</i> .....	Wisconsin
Savage, Patrick F.....	IV. <i>Dv.</i> .....	California
Sazima, Henry Charles.....	IV. <i>Dn.</i> .....	Ohio
Scanlon, Wm. J.....	VB. <i>C. F.</i> .....	Missouri



Schaberg, Geo. L.....	III. C. F.....	Missouri
Schaefer, George Joseph.....	IV. Md.....	Illinois
Schaefer, Joseph Francis.....	I. Md.....	Kansas
Schaefer, Leo Joseph.....	IV. Md.....	Kansas
Schaefering, Erwin.....	I. Lw.....	Missouri
Schauerte, Martin G.....	III. Lw.....	Illinois
Scheer, Adolph R.....	I. C. F.....	Missouri
Scheffer, Beresimo F.....	I. Ar.....	Missouri
Scheibe, Clarence.....	IV. Lw.....	Missouri
Schen, John H.....	VB. C. F.....	Missouri
Schenk, Raymond A.....	III. Ar.....	Missouri
Schermer, Jake.....	III. Md.....	Illinois
Scherr, Peter Joseph.....	II. P. M.....	Kansas
Schiess, Katherine B.....	I. C. F.....	Missouri
Schiermann, John C.....	III. C. F.....	Missouri
Schloeman, Daniel J.....	III. Lw.....	Missouri
Schlosser, Francis X.....	V. Lw.....	Missouri
Schlueter, Harold W.....	II. C. F.....	Missouri
Schmick, Eugene J.....	III. Lw.....	Missouri
Schmidt, Edmund Martin.....	III. Md.....	Ohio
Schmidt, Richard M.....	VB. C. F.....	Kansas
Schmitt, Bert Wendell.....	I. Dn.....	Illinois
Schmitt, Joseph F.....	I. Lw.....	Missouri
Schmoll, Irwin M.....	II. Lw.....	Missouri
Schneider, Arthur A.....	IV. Lw.....	Missouri
Schneck, Nathan.....	III. Md.....	New York
Schneider, Clarence E.....	VB. C. F.....	Missouri
Schneider, Edward C.....	I. Lw.....	Missouri
Schneider, Julius Emanuel.....	II. Dn.....	Illinois
Schneider, Julius F.....	III. C. F.....	Missouri
Schneider, Louis F.....	III. C. F.....	Missouri
<b>Schneider, Lawrence C.....</b>	<b>VB. C. F.....</b>	<b>Iowa</b>
Schneider, Simon C.....	VB. C. F.....	Missouri
Schneider, Vincent Augustine.....	II. Md.....	Missouri
Schrader, Durlin W.....	II. C. F.....	Missouri
Schubkegel, Erwin G.....	II. C. F.....	Missouri
Schuck, Walter F.....	II. C. F.....	Missouri
Schuettenberg, Clarence H.....	I. C. F.....	Missouri
Schuler, Anton.....	I. Lw.....	Missouri
Schulte, Carl W.....	II. C. F.....	Missouri
Schulte, Harry J.....	II. Lw.....	Missouri
Schumacher, Gilbert C.....	I. C. F.....	Missouri
Schumann, Wm. F.....	III. C. F.....	Missouri

Schuricht, Gustav C.....	I. C. F.....	Missouri
Schurter, Raymond Joseph.....	III. Md.....	Canada
Schwab, John Wm.....	II. P. M.....	Kansas
Schwallier, Julius Joseph.....	I. S.....	Michigan
Schwaneck, John Thomas.....	II. Dn.....	Missouri
Schwartz, Leo T.....	II. Ar.....	Kansas
Sciarrino, Stanley Vincent.....	IV. Md.....	New York
Scott, Edward A.....	I. Dv.....	Illinois
Scott, Francis X.....	III. Dv.....	Illinois
Seabaugh, Ottis Dewey.....	I. Md.....	Missouri
Sebastiani, Francis L.....	II. Dv.....	Italy
Secrest, J. ....	VB. C. F.....	Illinois
Seibt, Otto W.....	I. C. F.....	Missouri
Seikel, George Ralph.....	I. Md.....	Ohio
Sellmeyer, Edwin Henry.....	III. Dn.....	Missouri
Seltzer, David .....	III. Lw.....	Missouri
Senturia, Maurice A.....	II. Lw.....	Missouri
Sertl, William J.....	I. Ar.....	Missouri
Sexauer, Arthur E.....	I. P. M.....	Missouri
Sexton, Daniel Leritz.....	II. Md.....	Illinois
Sexton, Leslie Jno. ....	I. C. F.....	Missouri
Seymour, Walter M.....	IV. Dv.....	Michigan
Shale, Charles Reade.....	I. Dn.....	Missouri
Shanahan, Eugene J.....	II. P. M.....	Ohio
Shannahan, Cornelius M.....	II. C. F.....	Missouri
Shannon, Charles Kerchible.....	II. Dn.....	Illinois
Sharkey, William Brady.....	II. Md.....	Illinois
Sharon, James Philip.....	III. Md.....	Iowa
Shaw, F. W. ....	VB. C. F.....	Arkansas
Shea, George E.....	II. S.....	Ohio
Sheedy, Thomas L.....	I. C. F.....	Missouri
Sheehan, Daniel .....	I. Lw.....	Missouri
Sheehan, Robert John.....	I. Md.....	North Dakota
Sheerin, Katherine .....	I. C. F.....	Missouri
Sheets, Austin John.....	II. Dn.....	Arkansas
Shekleton, Vern N.....	II. Lw.....	Iowa
Shelby, Wallace J.....	I. Dv.....	Missouri
Sheldon, Orbit .....	II. Dn.....	Illinois
Sheridan, Edmund Reid.....	I. Md.....	Iowa
Sheridan, Edward J.....	III. C. F.....	Missouri
Shortal, Mildred .....	Sp. C. F.....	Missouri
Showen, Frank G.....	III. C. F.....	Missouri
Shumway, Carlos L.....	I. C. F.....	Illinois

Shyne, David A.....	III. <i>Dv.</i> .....	Kansas
Siebert, Karl.....	I. <i>C. F.</i> .....	Missouri
Siegel, Vivien.....	I. <i>P. M.</i> .....	Illinois
Sieving, Paul F.....	II. <i>C. F.</i> .....	Missouri
Sigg, Elmer J. ....	III. <i>C. F.</i> .....	Missouri
Simon, Jerome.....	I. <i>Lw.</i> .....	Missouri
Simpson, Joseph.....	Sp. <i>Ar.</i> .....	Missouri
Simpson, Joseph L.....	II. <i>Lw.</i> .....	Missouri
Sindelar, Frank John.....	I. <i>Dn.</i> .....	Ohio
Singer, Joseph.....	IV. <i>Lw.</i> .....	Missouri
Singer, Walter.....	II. <i>C. F.</i> .....	Missouri
Sisung, Frank James.....	I. <i>Md.</i> .....	Michigan
Skala, Clarence E.....	Sp. <i>Ar. C. F.</i> .....	Missouri
Skarry, Arthur.....	III. <i>Lw.</i> .....	Kentucky
Slack, A. Darington.....	II. <i>Dn.</i> .....	Missouri
Slack, Carroll Lee.....	III. <i>Dn.</i> .....	Missouri
Slais, William J.....	III. <i>C. F.</i> .....	Missouri
Slapleton, Frank H.....	V.B. <i>C. F.</i> .....	Missouri
Slatkin, Herman.....	I. <i>C. F.</i> .....	Missouri
Slattery, Cyril John.....	II. <i>Md.</i> .....	Missouri
Slowey, James Francis.....	III. <i>Md.</i> .....	Ohio
Smalley, Thornton.....	III. <i>C. F.</i> .....	Missouri
Smith, Alexander J.....	I. <i>C. F.</i> .....	Missouri
Smith, Aloysius M.....	III. <i>S.</i> .....	New York
Smith, Anthony Peter.....	I. <i>Md.</i> .....	Iowa
Smith, Cecil M.....	II. <i>Lw.</i> .....	Illinois
Smith, Charles T.....	V.B. <i>C. F.</i> .....	Iowa
Smith, Clarence.....	I. <i>Ar.</i> .....	Iowa
Smith, George Louis.....	II. <i>Md.</i> .....	Louisiana
Smith, Guy E.....	V.B. <i>C. F.</i> .....	Missouri
Smith, Henry M.....	III. <i>Lw.</i> .....	Missouri
Smith, John Carroll.....	III. <i>Dn.</i> .....	Kansas
Smith, John Russell.....	IV. <i>Md.</i> .....	Wyoming
Smith, Laurence W.....	I. <i>Dv.</i> .....	Texas
Smith, Leonard A.....	II. <i>P. M.</i> .....	Ohio
Smith, Paul F.....	I. <i>S.</i> .....	Wisconsin
Smith, Paul H.....	II. <i>C. F.</i> .....	Missouri
Smith, Robert Paul.....	III. <i>Dn.</i> .....	Missouri
Smith, Thurber M.....	II. <i>Ph.</i> .....	Illinois
Smith, William C.....	I. <i>C. F.</i> .....	Missouri
Smith, William O.....	I. <i>Md.</i> .....	Missouri
Smith, William Thomas.....	I. <i>Dn.</i> .....	Illinois
Snider, John Wilson.....	III. <i>C. F.</i> .....	Missouri

Snow, Hershel .....	II. Dn.....	Missouri
Snyder, Edward Nicholas.....	II. Lw.....	Wisconsin
Snyders, Leo H.....	II. C. F.....	Illinois
Snyder, Shirley E.....	I. Lw.....	Illinois
Sodemann, Allen C.....	I. Lw.....	Missouri
Solliday, Monroe F.....	II. P. M.....	Illinois
Soraghan, Justin Raymond.....	I. Lw.....	Missouri
Sours, Alphonse A.....	III. Lw.....	Missouri
Spain, Marceda L.....	II. P. M.....	Iowa
Speidel, Roy Edward.....	II. Md.....	Missouri
Spelman, Godfrey .....	I. Lw.....	Missouri
Spencer, James .....	I. Ar.....	Missouri
Sprague, Edwin T.....	I. Dv.....	Washington
Springrose, Constantine J.....	I. Lw.....	Missouri
Stahlschmidt, Clementine M.....	Sp. C. F.....	Missouri
Stahoviak, Longin .....	I. Ar.....	Illinois
Stahoviak, Longin P.....	I. C. F.....	Illinois
Stallmann, William C.....	I. P. M.....	Missouri
Stamm, Vincil R.....	II. Lw.....	Missouri
Stanbery, George A.....	I. P. M.....	Illinois
Stangler, Albert J.....	V. Lw.....	Missouri
Stangler, Lawrence A.....	I. Lw.....	Missouri
Stanhope, Russell C., Jr.....	I. C. F.....	Missouri
Stanton, Hugh F.....	I. P. M.....	Missouri
Steagall, Guy W.....	I. Lw.....	Missouri
Stearns, George W.....	V.B. C. F.....	Iowa
Stebbins, Mary C.....	I. C. F.....	Missouri
Stecker, George .....	IV. Md.....	New Mexico
Stefani, Ernest Louis.....	I. Md.....	Michigan
Steele, John M. ....	V.B. C. F.....	Missouri
Steele, Richard M.....	II. Ar.....	Missouri
Steely, A. D.....	II. Ar.....	Missouri
Steffen, Ethel .....	Sp. C. F.....	Missouri
Stein, Clarence R.....	I. C. F.....	Missouri
Stein, Ignatius L.....	III. C. F.....	Missouri
Steinberg, Philip .....	V.B. C. F.....	Iowa
Steiner, Celestin G.....	IV. S.....	Michigan
Stemmler, Fred M.....	III. C. F.....	Missouri
Stephens, G. L.....	V.B. C. F.....	Missouri
Stephens, Thomas F.....	III. Lw.....	Missouri
Sterling, John Andrew.....	III. Md.....	Kansas
Sterner, Joseph S.....	V.B. C. F.....	Missouri
Stevenson, Arthur Lang.....	II. Dn.....	Missouri



Steward, Hobart B.	II. P. M.	Missouri
Stewart, Edward T.	I. C. F.	Missouri
Steyer, Clement Edward	II. Md.	Ohio
Stier, Elizabeth	Sp. C. F.	Missouri
Stieren, Jerome J.	III. C. F.	Missouri
Stoetzer, Oscar Edw., Jr.	I. Lw.	Missouri
Stone, August F.	IV. Lw.	Missouri
Stone, Harry	IV. Lw.	Missouri
Stranz, Roman J.	I. P. M.	Missouri
Stratton, John Leander	II. Dn.	Iowa
Street, Cassius E.	II. P. M.	Missouri
Stroer, Joseph H.	III. C. F.	Missouri
Strub, Henry Francis	I. Md.	Missouri
Straube, Louis H.	III. C. F.	Missouri
Strubinger, Bert Elliott	I. Lw.	Illinois
Stuber, Joseph T.	II. P. M.	Ohio
Stuckey, Howard Davis	IV. Md.	Iowa
Stuever, Charles Henry	II. Dn.	Missouri
StuhlmueUer, Clifford F.	IV. Md.	Ohio
Stutsman, David Burford	III. Md.	Louisiana
Stuppy, M. A.	V.B. C. F.	Missouri
Stutz, William Jacob	III. Md.	Pennsylvania
Sudhoff, Albert Lee	I. C. F.	Missouri
Sullivan, Bernard J.	III. Dv.	Colorado
Sullivan, Edward Francis	II. Md.	Iowa
Sullivan, Francis J.	II. Lw.	Missouri
Sullivan, Gerard C.	I. Lw.	Missouri
Sullivan, Helen R.	II. C. F.	Illinois
Sullivan, James J.	V.B. C. F.	Missouri
Sullivan, John B.	IV. Lw.	Missouri
Sullivan, John J.	I. Dv.	Illinois
Sullivan, James McGeough	III. Md.	California
Sullivan, Leo D.	III. S.	Michigan
Sullivan, Louis M.	I. C. F.	Missouri
Sullivan, Margaret	II. C. F.	Illinois
Sullivan, Paul V.	III. C. F.	Missouri
Sullivan, William J.	III. Ar.	Missouri
Sunkel, Frederick V.	III. C. F.	Missouri
Supan, Peter C.	III. Md.	Illinois
Sutcliffe, George Cecil	IV. Dn.	Missouri
Svendrowski, M. J.	V.B. C. F.	Kansas
Svendsen, Alfred	V.B. C. F.	Iowa
Svenson, M. E.	V.B. C. F.	Missouri

Swanston, Joseph Aloysius.....	III. Dn.....	Missouri
Swann, Raymond L.....	II. Lw.....	Illinois
Swanston, William F.....	III. Lw.....	Missouri
Swanston, John E.....	II. Lw.....	Missouri
Sweeney, Paul J.....	III. Ph.....	Ohio
Sweet, Ralph A.....	I. C. F.....	Missouri
Talbot, Milton H.....	I. Dn.....	Missouri
Tang, Simon .....	I. Dv.....	China
Tanner, C. Bruce.....	IV. Lw.....	Missouri
Tate, Bird Anderson.....	III. Dn.....	Illinois
Taylor, Solon C.....	I. C. F.....	Missouri
Teague, Wayne Jackson.....	I. Md.....	Missouri
Tedrick, Orville A.....	V. Lw.....	Missouri
Teply, Joseph M.....	III. S.....	Illinois
Tennenbaum, Erwin. I.....	III. Lw.....	Missouri
Tessler, Maurice Harold.....	II. Dn.....	Missouri
Thacher, Arthur W.....	IV. Lw.....	Missouri
Tharp, Vreeland .....	V. B. C. F.....	Iowa
Thiele, Otto Toni.....	II. Dn.....	Missouri
Thieme, Harry .....	II. Md.....	Missouri
Thole, Bryon L.....	I. C. F.....	Missouri
Thole, Clarence L.....	I. C. F.....	Missouri
Thomas, Benjamin E.....	II. Lw.....	Missouri
Thomasson, Frank Gale.....	II. Dn.....	Missouri
Thompson, James C.....	I. C. F.....	Illinois
Thorning, Joseph F.....	III. Ph.....	Wisconsin
Thornton, F. Hamilton.....	IV. Ar.....	Missouri
Thornton, Francis Xavier.....	II. Dn.....	Missouri
Thornton, John .....	Sp. Ar.....	Missouri
Tierney, Edmund Joseph.....	I. Md.....	Iowa
Tierney, Joseph Michael.....	I. Lw.....	Missouri
Tietze, Irving B.....	III. C. F.....	Missouri
Tiffany, Murray L.....	I. Lw.....	Missouri
Tighe, Eugene G.....	IV. Lw.....	Missouri
Tirre, Walter .....	II. C. F.....	Missouri
Todt, Casper J.....	II. C. F.....	Missouri
Toenjes, Henry M.....	II. C. F.....	Missouri
Tompkins, Benoist .....	I. Ar.....	Missouri
Toomey, William .....	III. S.....	Ohio
Torrey, George F.....	III. Lw.....	Missouri
Toups, L. L.....	I. Dv.....	Alabama
Touzinsky, Joseph W.....	V. B. C. F.....	Missouri
Towles, Harbard Marvin.....	IV. Dn.....	Missouri

Tracy, George B.	II. <i>Lw.</i>	Missouri
Tracy, Helen C.	Sp. <i>C. F.</i>	Missouri
Tracy, Leo W.	III. <i>C. F.</i>	Missouri
Tracy, Paul	I. <i>Dn.</i>	Missouri
Tracy, Regina C.	I. <i>C. F.</i>	Missouri
Tracy, William J.	II. <i>Dv.</i>	Missouri
Trame, Elmer J.	IV. <i>S.</i>	Kentucky
Trappe, Clarence A.	I. <i>C. F.</i>	Missouri
Trares, Florian C.	I. <i>Lw.</i>	Illinois
Travis, David Porter	I. <i>Dn.</i>	Illinois
Traylor, William	II. <i>Ar.</i>	Oklahoma
Trewyn, Bryant Hooper	I. <i>Md.</i>	Wisconsin
Trude, Guy R.	V.B. <i>C. F.</i>	Kansas
Trussell, Wm. D.	V.B. <i>C. F.</i>	Missouri
Tucker, George W.	IV. <i>Lw.</i>	Missouri
Turner, Carl J.	V.B. <i>C. F.</i>	Iowa
Tynan, Bernard J.	II. <i>P. M.</i>	Ohio
Upshaw, Ira Warren	III. <i>Dn.</i>	Missouri
Upshaw, Paul Ozra	II. <i>Md.</i>	Missouri
Upton, Theodore E.	V.B. <i>C. F.</i>	Iowa
Uthe, Oliver C.	III. <i>C. F.</i>	Missouri
Uthe, Walter E.	III. <i>C. F.</i>	Missouri
Vahlkamp, Alfred	III. <i>C. F.</i>	Missouri
Vairo, Basil A.	I. <i>C. F.</i>	Missouri
Valdes, James F.	V.B. <i>C. F.</i>	New Mexico
Valdes, Pablo A.	I. <i>C. F.</i>	Missouri
Valladares, Antonio	III. <i>Lw.</i>	Guatemala
VanderLippe, Paul F.	II. <i>C. F.</i>	Missouri
Van Vranken, Ed	III. <i>Dn.</i>	Illinois
Vaughan, Bernard J.	II. <i>S.</i>	Kentucky
Vaughan, Charles M.	V.B. <i>C. F.</i>	Illinois
Vermuelen, Frank Joseph	I. <i>Dn.</i>	Illinois
Verschmer, Emile	V.B. <i>C. F.</i>	Arkansas
Vickers, Earl Kenneth	I. <i>Dn.</i>	Illinois
Vien, H. Grady	V. <i>Lw.</i>	Illinois
Viterbo, Albert	Sp. <i>Ar.</i>	Missouri
Vitt, Edwin F.	II. <i>P. M.</i>	Missouri
Vizzard, William R.	II. <i>P. M.</i>	California
Voelkerding, Walter G.	III. <i>C. F.</i>	Missouri
Voelkerding, Walter J.	I. <i>Lw.</i>	Missouri
Vogel, Erdman Gustave	III. <i>Dn.</i>	Illinois
Vogt, Henry G.	I. <i>Lw.</i>	Missouri
Vollmayer, L. J.	III. <i>Dv.</i>	Ohio

Vonachen, Harold Albert	III. Md.	Illinois
Waddock, Joseph P.	III. Lw.	Missouri
Waddock, Vincent D.	I. Lw.	Missouri
Wade, James P.	I. Md.	Ohio
Wade, Jesse D.	V.B. C. F.	Illinois
Wachowiak, Marian	IV. Md.	Missouri
Wagner, Austin L.	III. Dv.	Alabama
Wagoner, Earl	I. C. F.	Missouri
Wahl, Charles J.	III. C. F.	Missouri
Wahl, George B.	III. S.	Missouri
Wahlmeyer, Henry J.	V.B. C. F.	Missouri
Walasin, W. Martin	I. S.	Missouri
Walker, Edward R.	I. C. F.	Missouri
Walker, Ernest E.	IV. Lw.	Missouri
Walker, Glen L.	I. Md.	Illinois
Walker, Herbert O'Halloran	III. S.	Minnesota
Wallace, Robert S.	I. Md.	Illinois
Walsh, Carolan	I. Ar.	Oklahoma
Walsh, Jos. A.	I. Dv.	Ohio
Walsh, Joseph M.	II. Lw.	Missouri
Walsh, James W.	I. C. F.	Missouri
Walsh, John F.	III. Dv.	Illinois
Walsh, John M.	II. Lw.	Missouri
Walsh, Kevin A.	II. Ar.	Oklahoma
Walsh, Lawrence	I. Ar.	New Hampshire
Walsh, Robert A.	III. C. F.	Missouri
Walsh, Sterling T.	V.B. C. F.	Missouri
Walsh, Walter T.	V.B. C. F.	Missouri
Walter, Otto Aaron	II. Dn.	Missouri
Walton, John W.	V.B. C. F.	Kansas
Wang, Kwong Yu	III. Md.	China
Ward, James J.	I. Lw.	Missouri
Ward, Vincent Joseph	II. Ph.	Wisconsin
Warner, Robert Gail	II. Md.	Missouri
Warren, Winston W.	I. Lw.	Missouri
Warth, George L.	II. Ph.	Ohio
Wasinger, Joseph Peter	IV. Dn.	Kansas
Waters, Martin H.	II. P. M.	Missouri
Watson, Charles Gilbert	I. Dn.	Illinois
Watson, H. Felthan	II. Lw.	Missouri
Weaver, James M.	V.B. C. F.	Kansas
Webb, Lewis Monson	II. Md.	Illinois
Webb, Marion A.	II. Md.	Illinois



Weber, Bernard A.	I. C. F.	Illinois
Weber, Bernard A.	II. P. M.	Illinois
Weber, John F.	II. Ar.	Missouri
Weber, Joseph G.	III. C. F.	Missouri
Weber, Karl	III. Dn.	Ohio
Weber, Sol.	III. Md.	Missouri
Weber, Theodore J.	II. Ar.	Missouri
Weber, Wm. E.	II. C. F.	Missouri
Weeke, Paul E.	II. C. F.	Missouri
Weidinger, John A.	IV. S.	Missouri
Weimar, Edward R.	II. Lw.	Missouri
Weindel, Clarence A.	IV. Lw.	Missouri
Weinsberg, William Charles.	III. Md.	Missouri
Weinkauff, Wilbur H.	I. Md.	Illinois
Weismantel, Hugo L.	IV. Lw.	Missouri
Weisner, Joseph F.	II. Lw.	Kansas
Weis, Matthew William.	II. Md.	Minnesota
Weis, Roland George.	I. Dn.	Missouri
Weiss, Archa W.	III. Lw.	Missouri
Weitzmann, Louis G.	III. Dv.	New York
Welfle, J. A.	I. Dv.	Ohio
Welfle, Richard A.	II. S.	Ohio
Welling, Richard Jacob.	I. Dn.	Missouri
Wellmuth, John James.	IV. S.	Illinois
Welsch, Charles Clement.	I. Dn.	Illinois
Welsh, Orville G.	V.B. C. F.	Iowa
Wenzer, Eugene F.	III. C. F.	Missouri
Wenneker, Maurice	V. Lw.	Missouri
Werner, Robt. E.	II. C. F.	Missouri
Wesby, Frederick Archibald.	II. Dn.	British Honduras
Wesley, Frank A.	V.B. C. F.	Missouri
Westfall, Albert Perry.	II. Dn.	Missouri
Westfall, Paul Monroe.	II. Dn.	Missouri
Westlake, Richard E.	III. Dn.	Missouri
Westphaelinger, Christopher W.	Sp. Ar.	Missouri
Westropp, Russell H.	I. Md.	Ohio
Whalen, Harold F.	I. S.	Michigan
Whealon, Joseph P.	II. Lw.	Illinois
Wheeler, Bryan	V.B. C. F.	Nebraska
Wheeler, Louis A.	II. Dv.	Maryland
White, Alvin A.	V.B. C. F.	Kansas
White, B. H.	V.B. C. F.	Iowa
White, Otto J.	I. C. F.	Missouri

Whitford, Clarence F.....	IV. S.....	Colorado
Whitten, Dewey W.....	I. Dn.....	Illinois
Wibbenmeyer, Theo. A.....	III. C. F.....	Missouri
Wich, Joseph F., Jr.....	I. Ar.....	Missouri
Wiedeman, Charles Joseph.....	III. S.....	Ohio
Wieck, Joe F.....	I. C. F.....	Missouri
Wigge, Theodore H.....	I. Lw.....	Missouri
Wild, Aloysius A.....	II. P. M.....	Missouri
Wildhaber, O. G.....	V. B. C. F.....	Missouri
Wilhart, John P.....	V. B. C. F.....	Kansas
Wilhelmy, Charles M.....	IV. Md.....	Missouri
Wilhelm, Norbert A.....	I. Md.....	Ohio
Wilkins, John J.....	I. C. F.....	Missouri
Williams, Ellison.....	I. Lw.....	Missouri
Williams, Frank E.....	V. B. C. F.....	Illinois
Williams, George Cornelius.....	IV. Dn.....	Missouri
Williams, Robert England.....	I. Dn.....	Arkansas
Willis, Leo F.....	V. B. C. F.....	Illinois
Willis, Geo. F.....	V. B. C. F.....	Illinois
Willmering, Henry.....	II. Dv.....	Missouri
Wills, Charles Jerauld.....	III. Dn.....	Illinois
Wilson, Dean A.....	II. Dn.....	Missouri
Wilson, Drury.....	I. Dn.....	Missouri
Wilson, Fred K.....	II. Md.....	Missouri
Wilson, Geo. E.....	V. B. C. F.....	Missouri
Wilson, Horace Bertram.....	III. M. D.....	California
Wilson, Malcolm Royalty.....	II. Dn.....	Missouri
Wilson, Paul Shoemaker.....	II. Dn.....	Illinois
Wilson, Ralph V.....	IV. Lw.....	Missouri
Wilson, Thomas Edward.....	III. Dn.....	Missouri
Windle, Wayne E.....	I. C. F.....	Missouri
Winner, Albert A.....	I. Lw.....	Missouri
Winterowd, Geo. S.....	V. B. C. F.....	Iowa
Winterer, Roland A.....	I. P. M.....	Missouri
Winters, C. H.....	V. B. C. F.....	Missouri
Winters, Philip A.....	II. C. F.....	Missouri
Wirtenberger, Henry J.....	I. S.....	Illinois
Wishmeier, Edwin C.....	IV. Lw.....	Illinois
Witte, Raymond H.....	I. S.....	Missouri
Witten, Ralph.....	II. Dn.....	Missouri
Wittrock, William J.....	I. Lw.....	Missouri
Wolfe, Harlowe Ogden.....	III. Dn.....	Iowa
Wolff, Charles.....	II. Md.....	Missouri

Wolff, Samuel .....	II. <i>Md.</i> .....	Missouri
Woltering, John A. ....	I. <i>Lw.</i> .....	Missouri
Wood, Geo. M. ....	V.B. <i>C. F.</i> .....	Kansas
Woodman, Arnold James.....	II. <i>Dn.</i> .....	Missouri
Woodman, Glen Fuller.....	II. <i>Dn.</i> .....	Missouri
Woodward, Robert Y.....	II. <i>Lw.</i> .....	Missouri
Wooldridge, Wayne P.....	I. <i>Lw.</i> .....	Missouri
Woolsey, Thomas G.....	V. <i>Lw.</i> .....	Missouri
Wortkoetter, Wm. H.....	I. <i>Dv.</i> .....	Ohio
Wuellner, Bernard J.....	II. <i>S.</i> .....	Ohio
Wulf, Harvey J.....	V.B. <i>C. F.</i> .....	Illinois
Yealy, Francis J.....	II. <i>Dv.</i> .....	Missouri
Yoder, Frank .....	V.B. <i>C. F.</i> .....	Missouri
Younger, John B.....	II. <i>P. M.</i> .....	Louisiana
Zacharias, Leonard L.....	III. <i>C. F.</i> .....	Missouri
Zachman, Charles E.....	III. <i>Ph.</i> .....	Minnesota
Zahner, Leslie John.....	II. <i>Dn.</i> .....	Missouri
Zbranek, Ladislaus J.....	I. <i>P. M.</i> .....	Missouri
Zepp, Philip H.....	III. <i>Lw.</i> .....	Missouri
Zellers, George G.....	V.B. <i>C. F.</i> .....	Nebraska
Zeller, Wayne R.....	V.B. <i>C. F.</i> .....	Missouri
Zeppenfeld, Harold B.....	I. <i>C. F.</i> .....	Missouri
Zieglmeyer, Edmund H.....	IV. <i>S.</i> .....	Missouri
Zieglmeyer, John Simon.....	IV. <i>Md.</i> .....	Missouri
Zill, John .....	II. <i>C. F.</i> .....	Missouri
Zimmerman, Joseph A.....	III. <i>Dv.</i> .....	Iowa
Zoulek, Joseph Leonard.....	IV. <i>Dn.</i> .....	Ohio
Zozaya, Jose .....	III. <i>Md.</i> .....	Missouri
Zwart, Louis B.....	I. <i>C. F.</i> .....	Missouri

## Degrees Conferred

The Honorary Degree of Doctor of Laws was conferred on  
MARSHAL FERDINAND FOCH.

The Degree of Master of Arts,

June 4, 1921.

Frederick Aloysius Arnold, A. B.....	Ontario, Canada
Louis Aloysius Bloomer, A. B.....	Milwaukee, Wis.
William Sporing Bowdern, A. B.....	St. Louis, Mo.
Hartford Frederick Brucker, A. B.....	Toledo, O.
Chester Aloysius Burns, A. B.....	Cleveland, O.
James Francis Butler, A. B.....	South Bend, Ind.
Edward Francis Carrigan, A. B.....	Escanaba, Mich.
Paul Loyola Carroll, A. B. ....	St. Louis, Mo.
Daniel Hugh Conway, A. B.....	Denver, Colo.
Charles Thomas Corcoran, A. B.....	Wis. Falls, Wis.
Joseph John Diemert, A. B.....	N. Dakota
Aloysius James Diersen, A. B.....	Cleveland, O.
Cyril Patrick Donohue, A. B.....	Milwaukee, Wis.
Norman Joseph Dreyfus, A. B.....	St. Louis, Mo.
Gladstone Augustine Ellard, A. B.....	Denver, Colo.
Thomas Donohoe Ewing, A. B.....	Lancaster, O.
William Aloysius Finnegan, A. B.....	Chicago, Ill.
Leon Aloysius Foster, A. B.....	Cincinnati, O.
Julian Alexander Garrity, A. B.....	Newark, O.
Eugene M. Ivancovich, A. B.....	San Francisco, Cal.
Edward Mortimer Kelly, A. B.....	Milwaukee, Wis.
Sister Ann Francis McArdle.....	St. Louis, Mo.
John Joseph McInery, A. B.....	St. Louis, Mo.
Francis Joseph Macke, A. B.....	Cincinnati, O.
Florence Jerome Mahoney, A. B.....	Denver, Colo.
Joseph Peter Melchior, A. B.....	Kakauna, Wis.
William John Murphy, A. B.....	Cleveland, O.
Harry Aloysius Norton, A. B.....	Cleveland, O.



John Leonard Polski, A. B.....	Omaha, Neb.
Joseph Adolph Renshaw, A. B.....	Toledo, Spain
William Dominic Ryan, A. B.....	Denver, Colo.
Ferdinand Julius Sacasa, A. B.....	Aragon, Spain
Bernard Leo Sellmeyer, A. B., M. D.....	Glasgow, Mo.
James Gerard Smith, A. B.....	Chicago, Ill.
Edgar Raymond Smothers, A. B.....	Evanston, Ill.
Joseph Francis Thorning, A. B.....	Milwaukee, Wis.
John Howard Unferfate, A. B.....	Cleveland, O.
Gerald Patrick Walsh, A. B.....	Milwaukee, Wis.

#### June 20, 1921.

Robert U. Bakewell, A. B.....	St. Louis, Mo.
Augustine Alexander Bork, A. B.....	Tiffin, Ohio
John Joseph Cordes, A. B.....	Waterloo, Iowa
Francis Marion De Haye, A. B.....	Wilmette, Ill.
Eugene Philip Mullaney, A. B.....	Milwaukee, Wis.
Paul David Sullivan, A. B.....	Chicago, Ill.

#### August 1, 1921

M. Gertrude Caraher, R. S. C. J., A. B.....	Missouri
M. Ellen Matthews, R. S. C. J., A. B.....	Missouri
M. Mary Nolan, R. S. C. J., A. B.....	Missouri

#### The Degree of Bachelor of Arts.

#### June 4, 1921.

Lawrence Michael Barry.....	Chicago, Ill.
John Joseph Benson.....	Chicago, Ill.
Clyde Maurice Brown.....	Coulterville, Ill.
Earl Liguori Burns.....	Ft. Wayne, Ind.
John England Cantwell.....	St. Louis, Mo.
Eugene Philpot Curran.....	Normandy, Mo.
Paul James Dahm.....	St. Louis, Mo.
Stephen Thomas Egan.....	Omaha, Neb.
Peter Joseph Ellert.....	Ontario, Canada
Allan Peter Farrell.....	Detroit, Mich.
James Richard Gibbons.....	Edina, Mo.
William John Holton.....	Chicago, Ill.

Henry Patrick Jasinski.....	Chicago, Ill.
Bernard Sylvester Karst.....	Adams, Minn.
Adam Joseph Keller.....	Fremont, O.
Stephen Edward Kelly.....	Alton, Ill.
John Roger Lyons.....	Milwaukee, Wis.
John Prince Markoe.....	St. Paul, Minn.
George Albert McNulty.....	St. Louis, Mo.
Jerome Frederick O'Connor.....	Milwaukee, Wis.
Francis Joseph Pfeffer.....	St. Louis, Mo.
Ralph Henry Rechtern.....	St. Charles, Mo.
George Jere Ryan.....	St. Louis, Mo.
Jerome Simon .....	St. Louis, Mo.

#### August 1, 1921.

Marie Antoinette Boland, R. S. C. J.....	Missouri
Louise Callan, R. S. C. J.....	Missouri
Helen Carroll, R. S. C. J.....	Missouri
Emily Clark, R. S. C. J.....	Missouri
Marie Oamela Doize, R. S. C. J.....	Missouri
Virginia Dunn, R. S. C. J.....	Missouri
Elizabeth Grace, R. S. C. J.....	Missouri
Leontine Held, SS. N. D.....	Missouri
Gabriel Kane .....	Missouri
Marie Kernaghan, R. S. C. J.....	Missouri
Innocentia Kline, C. PP. S.....	Missouri
M. Charles Knetzger, SS. N. D.....	Missouri
Henrietta McKelly, R. S. C. J.....	Missouri
Bernardine Rice.....	Missouri
Benedette Robers, SS. N. D.....	Missouri
Cora Shaw, R. S. C. J.....	Missouri
Clara Stadel, SS. N. D.....	Missouri

#### The Degree of Bachelor of Science.

##### June 4, 1921.

John Paul Altheide.....	New Haven, Mo.
Francis Lorraine Barthelme .....	Newton, Ill.
Joseph Roy Barton.....	Detroit, Mich.

Benjamin Blank .....	Los Angeles, Cal.
Clarence Kelly Canelo .....	San Jose, Cal.
Edward Alfred Carpinello .....	Brooklyn, N. Y.
Laurence Ignatius Clark .....	Toledo, O.
John J. Conner .....	St. Louis, Mo.
Theodore Cornbleet .....	St. Louis, Mo.
Edward Daniel Crowley .....	Jackson, Mich.
Frank Demko .....	St. Louis, Mo.
Cesareo DeAsis y Denuna .....	Dumangas, P. I.
John A. Dyer .....	Kansas City, Kan.
Octavio Garcia .....	Monterey, Mexico
Kenneth Franklin Glaze .....	St. Louis, Mo.
Harry Joshua Gray .....	Pittsburg, Kan.
Marshall Wesley Hall .....	Mt. Vernon, Ill.
Thomas Bryan Hall .....	Marshall, Mo.
John Edward Hannibal .....	Cleveland, O.
Sylvester B. Helwig .....	Breese, Ill.
Edgar Joseph Hermes .....	Lansing, Mich.
Stanley Proctor Howard .....	Centertown, Mo.
Victor Emanuel Hrdlicka .....	St. Louis, Mo.
Edward J. Kilfoy .....	Fairfield, Ia.
Walter Edward Kruse .....	Ft. Wayne, Ind.
Abe Frank Lerner .....	St. Louis, Mo.
Oria Marcellus McCann .....	St. Louis, Mo.
Paul Vincent McCarthy .....	Aberdeen, S. Dak.
Rex Glin McCutchen .....	Ardmore, Ok.
William Kress McIntyre .....	Ashtabula, O.
Francis John Medler .....	St. Louis, Mo.
John Owen Murrin .....	Maryville, Mo.
Leslie Endicott Patton .....	Cape Girardeau, Mo.
Nelson Tinsley Pearson .....	Louisiana, Mo.
John Henry Phillips .....	Raymond, Ia.
Thomas Francis Reilly .....	St. Louis, Mo.
Philip Arthur Riley .....	Jackson, Mich.
William James Roche .....	Peoria, Ill.
Eugene Francis Rooney .....	Robinson, Ill.

Charles Samuel Rosen.....	St. Louis, Mo.
William Evans Rubenstein.....	St. Louis, Mo.
Alvin Sach-Rowitz .....	Kansas City, Mo.
Edmund Martin Schmidt.....	Akron, O.
Raymond Joseph Schurter.....	Mildmay, Ont., Can.
Carl C. Smith.....	Hardin, Mo.
George Stecker .....	Mescalero, N. Mex.
Harold Albert Vonachen.....	Peoria, Ill.
Jose Zozaya .....	St. Louis, Mo.

### The Degree of Bachelor of Commercial Science.

June 4, 1921.

Juji Aburatani .....	Japan
Eugene John Baumberger.....	Granite City, Ill.
Frances A. Clesse.....	St. Louis, Mo.
E. L. Hein.....	St. Louis, Mo.
Adolph Kahn .....	St. Louis, Mo.
Anita P. Kemper.....	St. Louis, Mo.
Genevieve C. Markert.....	East St. Louis, Ill.
Karl D. Oppenheimer .....	St. Louis, Mo.
W. Havard Perkins.....	St. Louis, Mo.
Harry E. Rogers.....	St. Louis, Mo.
Clarence A. Schnadt.....	Wright City, Mo.
Oscar J. Stepka.....	St. Louis, Mo.
Helen C. Tracy .....	St. Louis, Mo.
Theodore H. Wigge .....	St. Louis, Mo.
Ralph E. Wiegel.....	St. Louis, Mo.

### A General Certificate.

June 4, 1921.

Joseph H. Bridge .....	St. Louis, Mo.
Martha W. Fiedler.....	St. Louis, Mo.
Maurice Keily .....	St. Louis, Mo.
Helen A. Henke.....	St. Louis, Mo.
Michael T. Hennessy.....	St. Louis, Mo.
Clara Dodd Kirchmer .....	St. Louis, Mo.



Joseph G. Louis.....	St. Louis, Mo.
Edwin James Maruska.....	St. Louis, Mo.
Clifford Louis Moore.....	St. Louis, Mo.
Clemens M. P. Neumann.....	Frankenstein, Ger'y
Peter J. Raidt.....	St. Louis, Mo.
Clementine Stahlschmidt .....	St. Louis, Mo.
Ralph Steele .....	St. Louis, Mo.
Joseph G. Schmitz.....	St. Louis, Mo.
Eugene D. Tracy.....	St. Louis, Mo.
John P. Usher .....	St. Louis, Mo.
Albert A. Winner .....	St. Louis, Mo.

### The Degree of Doctor of Dental Surgery.

June 4, 1921.

George Raymond Anchors .....	St. Louis, Mo.
John Galen Anderson.....	Warrensburg, Mo.
Frank Vernon Bonham .....	Mason City, Ill.
David Walter Brock.....	St. Louis, Mo.
Ralph Joseph Broeker.....	St. Louis, Mo.
Leslie Alexander Burch .....	St. Louis, Mo.
Elmer Harrison Campbell.....	Macedonia, Ill.
Meyer Castle .....	Denver, Colo.
Cecil Clayton Connelly .....	LaGrange, Mo.
Vincent Michael Dempsey.....	St. Louis, Mo.
Thomas Francis Dillon.....	Collinsville, Ill.
William Louis Fahrenholz.....	St. Louis, Mo.
Ralph Jacob Ferris.....	Oak Hill, Mo.
Samuel Marvin Frutiger.....	St. Louis, Mo.
Miltiades John Gitcho.....	Madison, Ill.
Lawrence Franklin Graham.....	Gallatin, Mo.
Edward Thomas Harrington.....	St. Louis, Mo.
Paul Royalty Hollingsworth .....	Curryville, Mo.
Bert House.....	Benton, Ill.
Horace Dean Kehoe.....	Silver City, Ia.
Samuel Marshall Kinkead .....	Warsaw, Mo.
Edmund Herman Krekeler.....	Gillespie, Ill.

Norbert John Lahr.....	St. Cloud, Minn.
John Peter Lippold.....	Templeton, Ia.
Riyohei Matsusawa .....	Saitamaken, Japan
Victor Ray Mead.....	St. Joseph, Mo.
Alphonse Leo Naert, Jr.....	St. Louis, Mo.
Akira Nagamachi .....	Tokyo, Japan
Manley Clay Powell .....	Rinard, Ill.
Edmund Benedict Remley .....	Moorhead, Minn.
George Henry Ruwwe.....	Elmont, Mo.
Earl Cranston Schewe.....	St. Louis, Mo.
George Phillip Schroeder.....	St. Louis, Mo.
Leonard Louis Snopek.....	Protivin, Ia.
Charles Michael Sommerhauser.....	Wichita, Kan.
Joseph William Spresser.....	Dresden, Kan.
Loy Harold VanFossan.....	Cisne, Ill.
Carl John Wedel.....	Nashville, Ill.
Kenneth Milton Wilson.....	Granite City, Ill.

### The Degree of Master of Laws.

June 4, 1921.

Rudolph William Hoogstraet.....	St. Louis, Mo.
William Robert Davis.....	St. Louis, Mo.
Henry Joseph McMahon.....	Spencer, Ia.
Julius Mors.....	St. Louis, Mo.
Erwin Alfred Salomo.....	St. Louis, Mo.
Bernard Comer Specking.....	St. Louis, Mo.

### The Degree of Bachelor of Laws.

June 4, 1921

George John Allgier.....	Wilcox, Pa.
William H. Alston .....	East St. Louis, Ill.
Alonzo Francis Barr.....	St. Louis, Mo.
Foster Lawrence Bennett.....	St. Louis, Mo.
Leonard L. Bornschein.....	St. Louis, Mo.
Louis S. Byrne.....	St. Louis, Mo.
Paul H. Calman.....	St. Louis, Mo.

Charles J. Clancy .....	St. Louis, Mo.
J. Harold Connor .....	St. Louis, Mo.
Paul Orville Dague.....	Junction City, Kan.
William Douglas Ely.....	St. Louis, Mo.
Oliver Frank Erbs .....	St. Louis, Mo.
Stephen Dewey Godfrey.....	St. Louis, Mo.
James Alexander Henderson.....	Bridgeton, Mo.
George A. Johns.....	St. Louis, Mo.
Frederick H. Kenkel.....	St. Louis, Mo.
Walter H. Kroehnke .....	St. Louis, Mo.
Raymond Edward Law.....	East St. Louis, Ill.
Charles Michael Lee.....	Melrose, Ia.
Ernest Russell McHale.....	East St. Louis, Ill.
Dell E. McKinney.....	Hoquiam, Wash.
Elmer Everett McMahon.....	Spencer, Ia.
Francis J. Manning.....	Woodriver, Ill.
Angelo Joseph Marre.....	St. Louis, Mo.
Louis Ebenezer Miller.....	Springfield, Ky.
John W. Milford.....	St. Louis, Mo.
William R. Murphy.....	St. Louis, Mo.
Thomas F. O'Hanlon.....	St. Louis, Mo.
Leonard L. Oldeg.....	St. Louis, Mo.
William Henry Penaat.....	St. Louis, Mo.
William H. Pope.....	Madison, Ill.
John C. Rawe.....	Carrollton, Ill.
John A. Reardon.....	St. Louis, Mo.
William George Reel.....	St. Louis, Mo.
Francis X. Schlosser.....	St. Louis, Mo.
John Darwin Schuster.....	Maplewood, Mo.
Edmond Louis Siemers.....	St. Louis, Mo.
Charles J. Spies.....	Graettinger, Ia.
Albert J. Stangler.....	St. Louis, Mo.
Thomas Robert Taylor.....	St. Louis, Mo.
Joseph Aloysius Troy, Jr.....	San Francisco, Cal.
Henry Grady Vien .....	East St. Louis, Ill.
Maurice Wenneker .....	St. Louis, Mo.
Thomas Gilbert Woolsey .....	Webster Groves, Mo.

## The Degree of Doctor of Medicine.

June 4, 1921

Frank Newton Bay, B. S.	Albia, Ia.
Harry George Bogart	Brooklyn, N. Y.
Michael James Bonacci, B. S.	Hurley, Wis.
Michael Earl Brennan	East St. Louis, Ill.
Patrick Lawrence Callan, A. B.	Milwaukee, Wis.
Francis Edward Cullen, B. S.	Cylinder, Ia.
Paul Stanley Curran, A. B.	St. Louis, Mo.
Rudolph Alois Diethelm, A. B.	Toledo, O.
Otto Ross Dobbs	St. Louis, Mo.
John Charles Doubek, Jr.	St. Louis, Mo.
Raymond Edward Doyle, A. B.	Pueblo, Colo.
Paul William Ferry, B. S.	Columbus, Ind.
James Michael Flinn	Helena, Mont.
George Joseph Fuchs	Anglum, Mo.
Charles Joseph Gissy	Breese, Ill.
Ben Francis Glowacki, A. B.	Toledo, O.
Cletus Joseph Golinvaux, B. S.	Waterloo, Ia.
Harry Joshua Gray	Pittsburg, Kan.
Paul Max Grueb	Los Angeles, Cal.
Eugene Leigh Hastings	Ramsey, Ill.
Lysle Edward Haverfield	Assumption, Ill.
William Block Heidorn	Kirkwood, Mo.
Mansell Burl Holmes	Marionville, Mo.
Stanley Proctor Howard, B. S.	Centertown, Mo.
William Henry Huber, A. B.	Brookfield, Mo.
William Taylor Hyatt	St. Louis, Mo.
Richard Nicholas Jacobs, B. S.	Billings, Mont.
Arthur Henry Jost	St. Louis, Mo.
Alexander Joseph Kotkis, B. S.	St. Clair, Pa.
Irl Brown Krause, A. B.	St. Louis, Mo.
Clinton Welsh Lane, A. B.	St. Mary's, Kan.
Owen James McNamee	St. Louis, Mo.
William Franklin Mitchell	St. Louis, Mo.
Edwin Leo Mueller	San Antonio, Tex.



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Lyman Clements Murphy, A. B.....	St. Louis, Mo.
John Owen Murrin.....	Maryville, Mo.
Edward Joseph Novotny, A. B.....	Cleveland, O.
Frank James Piekenbrock, A. B.....	Dubuque, Ia.
George McArdle Powell, B. S.....	Richmond, Mo.
Warren Sylvester Quirin.....	St. Louis, Mo.
Anthony Joseph Rejent, A. B.....	Toledo, O.
Robert Lee Rotchford, A. B.....	Greenacres, Wash.
Alvin Sach-Rowitz .....	Kansas City, Mo.
Angelo Michael Sala, A. B.....	Brooklyn, N. Y.
Walter Sylvester Sewell.....	St. James, Mo.
Carl Clifford Smith.....	Hardin, Mo.
Erman Stadler.....	St. Louis, Mo.
Othmar John Sum.....	Washington, Ind.
George Ebright Thompson.....	Holcomb, Kan.
Paul Benedict Webb, B. S.....	Malaga, O.
Carl Carson Weger.....	Robinson, Ill.
Silas Woodson Weltmer .....	Nevada, Mo.
Claude LaVerne Weston.....	Connersville, Ind.
Orville Oscar White, B. S.....	Jacksonville, Ill.
Claude Vernon Wilcox.....	Carlyle, Ill.

### July 2, 1921.

Laurence Edmund Henrich.....	Lennox, S. Dak.
Paul Ambrose Humphries.....	Hudson, Ill.
Joseph Murphy, B. S.....	St. Louis, Mo.
Richard Martin Rutledge.....	Festus, Mo.
Nicholas Aloys Schneider, A. B.....	St. Peters, Mo.

### August 2, 1921

Joseph Benedict Neuheiser.....	St. Louis, Mo.
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## General Statement

### History

The foundation of St. Louis University dates back to 1818, three years before Missouri became a State of the Union.

On November 16th, 1818, Right Rev. Louis William DuBourg, Bishop of Louisiana, with residence in St. Louis, opened St. Louis Academy in a stone building on the north-west corner of Third and Market streets. It was under the control of Rev. Francois Niel and other secular priests attached to St. Louis Cathedral. The Academy expanded into St. Louis College in 1820, and a brick building, two stories high, was erected for the accommodation of the students on Walnut street, between Second and Third streets.

Although the college was successful and the mother of many students eminent in after life, yet the secular clergy found it difficult to attend to their professorial work in St. Louis College, owing to their numerous ecclesiastical duties.

In consequence, Bishop DuBourg had intended to hand the institution over to the Jesuits a few years after its foundation, for he realized that its existence would be precarious without some such guarantee for supplying a corps of trained professors. He had, therefore, made application to the Provincial of the Jesuits of Maryland, but his request could not be granted, as the establishment of the Society of Jesus at Georgetown and elsewhere in the Eastern States fully occupied all the members at that time. The disappointment, however, was to be only temporary.

Early in 1823, Bishop DuBourg visited Washington to consult with James Monroe, President of the United States, and John C. Calhoun, the Secretary of War, on the Indian affairs of his diocese. Secretary Calhoun suggested that he invite the

Maryland Jesuits to give him their assistance in his difficult pioneer work. DuBourg, thereupon, again entered into negotiations with the Provincial of Maryland, offering to make over to the Society of Jesus his Cathedral property in St. Louis, which comprised church and college, as well as a farm near Florissant, Mo., for an Indian Seminary, if the Jesuits would establish themselves in his diocese. The Provincial accepted that part of the proposition which referred to the Indian Seminary, but stated that priests could not then be spared for the St. Louis project.

Thus, finally in June, 1823, the Jesuits from Whitemarsh, Maryland, took up their abode at Florissant, where they opened a seminary for the instruction of the Indians. It was not until a somewhat later date that they yielded to Bishop DuBourg's urgent solicitations to take over St. Louis College.

The last session of the college under its old management was that of 1826-27. As the Jesuits desired to have a boarding school as well as a day school, it was decided to erect a new college structure at Washington avenue and Ninth street, then outside the limits of St. Louis, on property donated by the Bishop. During the interval of building, the Jesuits accommodated St. Louis pupils at Florissant late in the session of 1827-28, where also the entire session of 1828-29 was passed. Thence they were transferred to the new building in St. Louis, where classes began on November 2, 1829.

It is noteworthy that it was a Jesuit, James Marquette, S. J., who, in 1673, first viewed the site of our future city, and when Pierre Laclede founded St. Louis in 1764, it was another Jesuit, Sebastian Meurin, S. J., who first ministered to the spiritual wants of the colonists, who were all Catholics.

In its new location St. Louis College flourished, and in 1832 received its charter as a University by act of the Missouri Legislature. The president at once set about the preparatory steps for organizing the post-graduate faculties. In 1834 the Divinity Faculty was established, but in 1860 the theological students were transferred to the Jesuit college at Boston, Mass.

In 1836 the Faculty of Medicine was constituted, and when for some reason it became inoperative in 1840, a new faculty was organized in 1842. The medical school was eminently successful until 1855, when, owing to the Know-Nothing movement, its separation from the University was deemed advisable. A Law Faculty was organized in 1842 and continued sessions until 1847.

Owing to the encroachments of the business districts, the University site became unsuited to educational purposes, and in 1888 the institution was transferred to a new and more favorable situation in the western part of the city. The undergraduate department was opened on Grand avenue in 1888; the School of Philosophy and Science, Lindell Boulevard, in 1889; the School of Divinity on West Pine Boulevard in 1899.

In May, 1901, two of the best medical schools of the State, the Marion-Sims Medical College and the Beaumont Hospital Medical College, were consolidated for the purpose of strengthening the advantages which they offered. This consolidated Marion-Sims-Beaumont College of Medicine was acquired by the St. Louis University in May, 1903, as a component part of the institution.

A School of Dentistry was added in 1908 by the affiliation of the St. Louis Dental College with the University.

In the autumn of the same year the Faculty of Law was restored, and a School of Advanced Science was also inaugurated.

The School of Commerce and Finance was organized October 3, 1910.

St. Louis University is the oldest university in the Louisiana Purchase Territory and probably the oldest west of the Mississippi River.





# School of Medicine

## School of Medicine

### Officers

REV. WILLIAM F. ROBISON, S. J.,  
President.

REV. MICHAEL J. O'CONNOR, S. J.,  
Acting President of the University.

HANAU W. LOEB, A. M., M. D.,  
Dean.

CHARLES H. CLOUD, S. J., A. M.,  
Regent.

DON R. JOSEPH, M. S., M. D.,  
Vice-Dean.

DANIEL M. SCHOEMAKER, B. S., M. D.,  
Secretary of the Administrative Board.

CARROLL SMITH, A.B., M. D.,  
Secretary of the Faculty.

## Introductory Statement

### The School Buildings

The buildings of the Medical School are located on Compton Hill, the highest point in the city of St. Louis. The College property includes an acre and a half of ground upon the corner of Grand avenue and Caroline street, and comprises the Medical building and the Laboratory building, to which a wing 30 by 40 feet in size was added during the session of 1912-1913.

All portions of the city are readily accessible by means of electric lines passing the School or in its immediate vicinity, thus greatly extending the territory from which patients are drawn for the clinics. The City Hospital, St. John's Hospital, St. Anthony's Hospital and St. Mary's Infirmary are within twenty minutes' ride from the Medical School. The City Sanitarium, the St. Ann's Asylum and the Alexian Brothers' Hospital are about thirty minutes' ride from the School.

### The North Building

The north College building is four stories high. The first floor is devoted to the use of the St. Louis University Dispensary. The second floor contains the large amphitheater and research rooms for Pathology and Bacteriology. On the third floor are two lecture halls and the research rooms of the Department of Anatomy. These research rooms are provided with such apparatus and materials as are necessary for investigation in these subjects.

The fourth floor contains the student laboratories of Anatomy. The dissecting room is 55 by 55 feet and is well lighted by both skylights and windows. On this same floor are the prosecuting, embalming and storage rooms of the Department of Anatomy.



A new and complete X-ray Equipment has been installed making it possible to improve the facilities for instruction in anatomy, physiology and diagnostics.

### **The Grand Ave. Building**

The first floor contains a large refectory and a students' room with modern toilet equipment.

The entire second floor is devoted to laboratory instruction in Pathology and Bacteriology. This laboratory room is 36 by 50, with splendid light on three sides. Accommodations are provided for eighty students. The laboratory is equipped with high-grade microscopes and with other appliances for good teaching. It has in connection with it the Museum and private rooms for instructors.

The third floor contains a large, well-lighted dissecting room, offices and research rooms, all given over to the Department of Anatomy.

### **The New South Building**

During the past summer a new three-story fireproof wing, 50 feet by 200 feet, was constructed adjoining the former medical building which had become entirely inadequate to accommodate the increasing classes.

This new wing provides ample quarters for the departments of Chemistry, Physiology and Pharmacology, a microscopic laboratory for the department of Anatomy, a large library, reading and stack-rooms, and the offices for administration.

### **Library**

The library is open to students from 8 in the morning to 9 in the evening; the reading room is well lighted and ventilated. It contains about 10,000 bound volumes, as well as several thousand unbound reprints.

One hundred and twenty-five weekly and monthly journals are received. These include both American medical publications of general character and standard scientific journals.

During the past year the medical school has received a valuable addition to its library in the form of the Samuel J. Meltzer Memorial Bequest. It consists of about 700 bound volumes of journals and reference books and about 3,500 classified reprints.

### Clinical Facilities

The University is able to offer facilities for practical clinical teaching in the following institutions in which appointments to the Medical Staff are made as specified:

I. BY THE HOSPITAL COMMISSIONER ON NOMINATION BY THE UNIVERSITY.

1. St. Louis City Hospital (one-half of the 800 beds).
2. St. Louis Isolation Hospital (one-half of the number of beds in Service).
3. St. Louis Sanitarium (Visiting Surgeon).

II. BY THE UNIVERSITY SUBJECT TO APPROVAL OF THE HOSPITAL AUTHORITIES:

4. Alexian Brothers' Hospital.
5. St. John's Hospital.
6. St. Mary's Infirmary.
7. St. Anthony's Hospital.
8. Mt. St. Rose Hospital.
9. St. Ann's Lying-In Infirmary.
10. St. Ann's Foundling Asylum.
11. St. Louis Obstetric Dispensary.
12. St. John's Clinical Dispensary.
13. Alexian Brothers' Dispensary.

III. BY THE UNIVERSITY DIRECT:

14. St. Louis University Dispensary.

ST. LOUIS CITY HOSPITAL AND ISOLATION HOSPITAL.

By order of the Director of Public Welfare and the Hospital Commissioner, on November 1st, 1914, the Uni-

versity was permitted to name the Medical Staff to Unit Two of the City Hospital and at the Isolation Hospital.

The St. Louis City Hospital No. II, with accommodations for 300 colored patients, is in the same category as the other city institutions.

These authorities have extended the privileges so that at the present time the University commands the service to the extent of 400 definitely assigned beds, with their complement of internes and seniors, in the City Hospital, and one-half of the patients in the Isolation Hospital. Aside from the advantage to the patients by this method of selecting the Medical Staff, the Hospital fulfills its other great function of providing clinical instruction for students in medicine.

### Associated Hospitals

The authorities are pleased to announce the successful accomplishment of the effort which has been going on for some time to establish a closer co-operation between the Medical School and the associated general hospitals, viz: St. John's, Alexian Brothers', St. Mary's and St. Anthony's.

According to the plan, each of the hospitals has established a Council composed of one or more representatives of the administration of the hospital, one or more members of the Staff, the Regent and the Dean or other officer of the Medical School.

By virtue of its constitution and of the free discussion made possible by its frequent meetings, the action of the Council has always been final, although it has no power except that of recommendation to the hospital authorities. In each instance the Council recommends the appointments for the Medical Staff (term of office, one year), which are officially made by the St. Louis University with the approval of the hospital authorities.

The great improvement that has followed the introduction of this plan justifies the hope that the training of

students in the associated hospitals will be greatly benefited by the further co-operation between the University and hospital authorities.

### Hospital Teaching Centers

Co-operation between the Medical School and the associated hospitals has made it possible to introduce a method of clinical instruction which will, it is assured, be productive of good results.

The Senior Class is divided into eight groups, each assigned for a semester's service in one of the four associated general hospitals. This service comprises attendance at the designated hospital three whole days and two half-days per week for one semester, during which regular instruction in the different branches of medicine will be given by the hospital staff.

### Clinical Instruction, Senior Class

The Clinical Instruction given to the Senior Class comprises the following:

1. Instruction in one of the hospital teaching centers, already described, three whole days and two half-days per week, for one semester.

2. City Hospital, three whole days and two half-days per week for eight weeks.

3. Seven obstetric cases, delivered under the supervision of an instructor in the following institutions, are required of each candidate for graduation:

St. Ann's Lying-In Infirmary.

St. Louis City Hospital.

St. Louis Obstetric Dispensary.

4. Clinical Lectures and Demonstrations for one semester, 2 hours a week.

In Diseases of Children at St. Ann's Foundling Asylum.

In Mental Diseases at St. Louis City Sanitarium.



### **Clinical Instruction, Junior Class**

For the Junior year, clinical instruction is given as follows:

1. By clinical lectures and demonstrations in Medicine and Surgery to divisions of half the class at the City Hospital and St. John's Hospital.

2. By practical work in Medicine and Surgery in small sections at the following dispensaries:

St. Louis University Dispensary.

St. John's Clinical Dispensary.

Alexian Brothers' Dispensary.

St. Mary's Dispensary.

In this respect arrangements are made so that each student has a dispensary service in medicine and surgery three days a week without conflict with his other work.

### **Fellowships**

Students who show special proficiency in the branches of the first years are eligible to appointment as fellows. Six to eight fellowships are available each year. The requirements are as follows:

1. Half-time work in the designated department.
2. Half-time in regular school work.
3. Two years' service.
4. Addition of one year to the medical course.

The salary is \$500.00 per year and tuition (incumbent required to pay \$10.00 for student activities).

### **Reserve Officers' Training Corps**

According to the Army Reorganization Act of June 4th, 1920, and at the invitation of the Surgeon-General of the Army, there has been established at this institution a unit of the Reserve Officers' Training Corps. The course of instruction is divided into two parts: (a) A Basic Course given during the first two years of the medical course and an

Advanced Course, together with one summer camp of six weeks' duration in the event that the student elects to enter the advanced work of the last two years of medicine. (Students who have had service in the Army, Navy or Marine Corps will not be obligated to attend a summer camp.) All medical students are required by the University to take the work of the first two years, the work of the succeeding years being entirely optional.

During the entire Advanced Course of some twenty months the student receives from the War Department commutation of subsistence, \$16.00 a month, \$1.00 per day during his stay in camp, with mileage at five cents per mile to and from camp or traveling expenses, equipment and clothing while at camp.

Students do not wear uniforms while in school and do not drill, and in no way obligate themselves in the event that they discontinue their attendance at school.

Upon application and notification by the college Dean, graduates of this course will ordinarily receive commissions from the War Department in the Medical Reserve Corps.

## Outlines of Courses

### Outline of the Course in Medicine

**FIRST OR FRESHMAN YEAR.** Anatomy: Dissection, Histology, Embryology, Neurology; Physiological Chemistry, Bacteriology I.

**SECOND OR SOPHOMORE YEAR.** Topographical Anatomy, Physiology, Bacteriology II, Pathology, Materia Medica, Pharmacodynamics, Hygiene, Normal Physical Diagnosis, Surgery I.

**THIRD OR JUNIOR YEAR.** Medicine, Pediatrics, Physical Diagnosis, Clinical Pathology, Nervous Diseases, Pharmacology, Obstetrics, Surgical Pathology, Principles of Surgery, Orthopedic Surgery, Fractures and Dislocations, Gynecology, Therapeutics, Hygiene and Ophthalmology. Also Medical and Surgical Clinics, chiefly diagnostic. Practical work in Obstetrics.

**FOURTH OR SENIOR YEAR.** Chiefly clinical and largely in small sections at the hospitals and dispensaries. Extern service, twelve weeks in Medicine and twelve weeks in Surgery; practice in Obstetrics; also didactic courses in Dermatology and Syphilis, Diseases of Children, Genito-Urinary Diseases, Gynecology, Obstetrics, Dietetics, Nervous and Mental Diseases, Ear, Nose and Throat Diseases, Ophthalmology, Regional Surgery and on special topics in Medicine, Medical Law and Ethics.

### Outline of Combined Course in Science and Medicine

A six year course is offered in conjunction with the College of Arts and Science leading to the B. S. degree in four years and the M. D. degree in six years.

Sixty credit hours of work in an acceptable College are required as follows:

Physics, 8; Chemistry, 12; Biology, 8; German or French, 8; English, 6; Electives, 18.

The Council is given authority to evaluate credits from other institutions and to decide what electives may be taken.

The following plan is recommended for graduates of accredited high schools who enter upon the six-year course:

#### First Year

DEPARTMENT	Hours per Week		Didactic	Laboratory
	First Semester	Second Semester		
Modern Language.....	4	4	128	.....
Biology.....	4	4	64	192
Chemistry, Inorganic.....	4	4	64	192
English.....	3	3	96	.....
Total.....	15	15	352	384

#### Second Year

DEPARTMENT	Hours per Week		Didactic	Laboratory
	First Semester	Second Semester		
Modern Language.....	4	4	128	.....
Physics.....	4	4	64	192
Psychology.....	3	.....	48	.....
Ethics and Logic.....	.....	3	48	.....
Organic Chemistry.....	.....	4	48	128
Analytical Chemistry	4	.....	32	96
Total.....	15	15	368	416



## Departmental Announcements

### **Anatomy, Histology, Neurology and Biology**

#### **The Anatomical, Histological and Embryological Laboratories, Museum and Library**

The anatomical laboratories occupy the top floor of the main building and third floor of the Grand avenue building. They comprise the following: One large dissecting room 55 by 55 feet, which is well lighted by both skylights and windows; another dissecting room 50 by 75 feet; a study and recitation room, 36 by 36; private rooms for prosecuting and research work; an embalming room and a storage room. An abundance of material for class and research work is provided and great care is taken in its preparation.

The laboratories of histology, neurology and embryology are on the second floor of the laboratory building. The laboratories are equipped with modern Leitz microscopes, together with apparatus and sets of reagents for histological and embryological work.

On the third floor is a series of private work rooms for instructors and advanced students. These rooms connect with the research laboratory, which is equipped with apparatus for investigative work. During the past thirteen years a considerable amount of anatomical material has been prepared for special work. A fairly large collection of human embryos and an embryological series of several vertebrates provide material for investigation and class work.

Students who are suitably qualified, and physicians who desire to do research work in the lines of anatomy, histology, neurology or embryology, will receive every encouragement which the department is able to offer.

### Courses in Anatomy

1. HUMAN DISSECTION. The student makes a dissection of one-half of the body.

Laboratory, twelve hours a week, first semester, first year.

2. RECITATION IN GROSS ANATOMY, four hours a week, with Course 1.

3. HUMAN DISSECTION. (Continuation of Course 1.)

Laboratory, twelve hours a week, second semester, first year.

4. RECITATION IN GROSS ANATOMY, four hours a week, with Course 3.

Prerequisite for Courses 1 and 4—one year's preparation in Biology.

5. TOPOGRAPHICAL ANATOMY. Having completed the systematic dissections, the student proceeds to a study of the topography and relations of the various regions and parts of the body by means of serial sections of formalin-hardened bodies.

Laboratory, eight hours a week. Recitations two hours a week, second semester, second year.

### Histology

6. This course presupposes familiarity with the use of the microscope and with microscopic methods. Various parts and organs are studied with reference to complexity in structure rather than location. The student is expected to provide himself with one hundred 4x6 library cards, and will make one drawing on each card, together with a notation of structural characteristic. Slides will be given out stained and mounted. This course is primarily designed as a preparation for the study of pathology.

Lecture five hours; laboratory ten hours a week, first semester, until December 23, first year.

### Embryology

7. The course in embryology presupposes certain fundamental knowledge of vertebrate biology and a course in general embryology of amphibian, reptile, bird and mammal is suggested as preparation. The study is confined to the relations as obtained in a 12 mm. and 16 mm. pig serial and is accompanied by gross dissection of larger pig embryos. The relations of tracts and systems are charted by the graphic method and the course is primarily one of organogenesis.

Lectures six hours; laboratory twelve hours a week, first semester, after January 1, first year.

### Neurology

8. A brief course in the anatomy of the nervous system and special sense organs. The laboratory work includes the dissection of the head of a primitive vertebrae and the human brain, and the microscopic study of the spinal cord, brain stem and cortex. The lectures emphasize the developmental and functional significance of structure. Special attention is given to the study of conduction pathways and functional localization.

Lectures two hours; laboratory work four hours a week, second semester, first year.

### Biology

9. INVERTEBRATE ZOOLOGY. A study of the morphology, physiology, behavior, and life history of invertebrate animals. Special attention is given to parasitic protozoa, worms and disease bearing insects. Lectures and recitations, two hours a week; laboratory work, six hours a week, first Collegiate-Medical year, first semester.

10. VERTEBRATE ZOOLOGY. A study of the comparative anatomy and physiology of vertebrate animals. Attention is also given to problems of broader biological interest. Lectures and recitations, two hours a week; laboratory work, six hours a week, first Collegiate-Medical year, second semester.

### Comparative Embryology

11. A comparative study of the origin, derivation and maturation of germ cells, and the early developmental stages of representative types of invertebrates and vertebrates. This course is designed to prepare the student for Course 7. Lectures one hour per week; laboratory work three hours per week.

Second semester, second Collegiate-Medical year.

### Genetics

12. A study of the general problems of organic evolution and heredity, with a review of the more recent experimental work in animal and plant breeding. Lectures two hours per week.

Second semester, second Collegiate-Medical year.

Preparation in Biology prerequisite for these courses.

### Research Courses

13. ANATOMICAL, HISTOLOGICAL AND EMBRYOLOGICAL RESEARCH. Hours to be arranged.

14. SEMINAR. The members of the department will meet fortnightly with those in Physiology, Pharmacology and Pathology to present and discuss the results of their special investigations, to review recent contributions to anatomical literature and to consider the best lines of advance in selected fields of anatomical research.

### Chemistry

1. GENERAL CHEMISTRY. Lectures and recitations, two hours each week throughout the First Collegiate-Medical year. Chemical Theory from the viewpoint of medical practice. The fundamental principles of chemistry illustrated and explained by those substances and reactions which are industrially, historically or physiologically important. The elements of systematic analysis, qualitative and quantitative.



2. LABORATORY EXERCISES, six hours each week throughout the first Collegiate-Medical year.

A careful study of qualitative and quantitative reactions, designed to confirm and illustrate the laws of chemical action, and to develop proficiency in standard methods of analysis. Together with those of the following courses, these exercises are intended to lead the student to such a mastery of chemical methods as will enable him intelligently and effectively to attack, from their chemical side, the problems which medical practice will later propose.

3. ORGANIC CHEMISTRY. Lectures and recitations three hours each week, first semester, second collegiate year. Outline of organic chemistry, with emphasis on the properties of the chief classes of organic substances and on the reactions which may be employed in their recognition. The toxicology of organic poisons.

4. LABORATORY EXERCISES, nine hours each week, first semester, second collegiate year. A limited number of organic syntheses together with numerous general and specific qualitative reactions for the recognition of important classes of organic compounds, as well as of individual substances. Methods of detecting the more common organic poisons and of discovering dangerous impurities in suspected therapeutic agents.

5. BIO-CHEMISTRY. Lectures and recitations, four hours each week, second semester, Freshman year. A detailed study: (1) of the chemistry of the chief constituents of foods; (2) of the varied processes of food metabolism; (3) of the intermediary and end products of these processes; (4) of the more important animal tissues, secretions and excretions.

6. LABORATORY EXERCISES, nine hours each week, second semester, Freshman year. An extended individual study of the above processes; with preparations, tests and quantitative

determinations of those substances met with, which have biological or clinical importance, especially those in blood and urine.

### **Dermatology and Syphilology**

1. LECTURES ON DERMATOLOGY AND SYPHILOLOGY, including Vaccination, to the Senior class, one hour each week, first semester.

2. CLINICAL INSTRUCTION, Senior Class, 32 hours for each student at the City Hospital and at the hospital teaching centers: St. John's Hospital, Alexian Brothers' Hospital, St. Mary's Infirmary and St. Anthony's Hospital.

### **Diseases of Children**

1. LECTURES: Didactic Lecture, one hour each week to the Junior class, throughout the year.

2. CLINICAL INSTRUCTION, Children's Clinic, St. Louis University Dispensary, one hour each week for the Junior class in sections, throughout the year; ten hours to each student.

3. PHYSICAL DIAGNOSIS OF INFANTS AND INFANTS' FEEDING, three hours each week throughout the year to the Senior class, in divisions; 48 hours to each student at St. Ann's Asylum.

4. CLINICAL INSTRUCTION, Senior Class, 40 hours for each student at the City Hospital, Infectious Hospital and at the hospital teaching centers; St. John's Hospital, Alexian Brothers' Hospital, St. Mary's Infirmary and St. Anthony's Hospital.

5. DIDACTIC LECTURES, to Senior class, one hour each week throughout the year, 32 hours. This course comprises lectures on selected topics by members of the department.

### **Ear, Nose and Throat Diseases**

1. CLINICAL LECTURES, with recitations, one hour a week, to the Senior class. As large a portion of the subject as

possible is presented in these clinical lectures. Patients are brought before the class to illustrate points in diagnosis symptomatology, history taking and prognosis. Where the subject does not lend itself well to demonstration by this method, lectures are given and conferences or recitations are held.

From time to time topics are assigned which students are required to study in text-books and other publications which are available. After a proper time they are required to present a written thesis upon the subject. The German publications are referred to one or two students, the French to one or two, and also the English. The written papers are read before the class and a general discussion indulged in by the members.

Several periods of this course will be assigned to the different instructors, who will present designated topics to the class.

2a. **ANATOMY OF THE NOSE.** Senior class in sections, the large collection of preparations belonging to the department being available for this purpose. Two hours.

2b. **ANATOMY OF THE PHARYNX AND LARYNX.** Senior class in sections. Two hours.

2c. **ANATOMY OF THE EAR.** The Gross Anatomy of the Ear. Demonstrations to the Senior class in sections. Two hours.

3. **CLINICAL INSTRUCTION, Senior Class, 36 hours** for each student at the City Hospital and at the hospital teaching centers: St. John's Hospital, Alexian Brothers' Hospital, St. Mary's Infirmary and St. Anthony's Hospital.

4. **GRADUATE INSTRUCTION.** Details of this course are being prepared. Attendance of at least one year is required. The following institutions are available for instruction: City Hospital, St. Louis University Dispensary, St. John's Hospital and Alexian Brothers' Hospital.

### **Experimental Medicine**

The object of this department is to furnish an agency for the investigation of clinical medicine through experimental

methods. The information gained in this field of medicine is necessary for a more thorough appreciation of the phenomena of disease in human subjects.

While most of the activity of this department will be devoted to problems with which the students will not be intimately associated, lectures will be given on investigative methods and results, and by co-operating with the clinical department, a co-ordinated understanding of disease will be promoted.

A few students in the advanced classes, whose work and inclination justify it, will be accepted for special instruction.

### **Genito-Urinary Surgery**

1. LECTURES, twenty hours in all, to the Senior class, first semester.

2. CLINICAL INSTRUCTION, Senior Class, 32 hours for each student at the City Hospital and at the hospital teaching centers: St. John's Hospital, Alexian Brothers' Hospital, St. Mary's Infirmary and St. Anthony's Hospital.

### **Hygiene and Preventive Medicine**

1. This course covers the subjects of personal hygiene, vital statistics, water supplies and water purification, sewage disposal, ventilation and heating, foods and food control, public health organizations and public health administration, model social service, occupational and industrial hygiene and various special aspects of preventive medicine, such as prenatal hygiene, infant hygiene, school hygiene, mental hygiene, venereal hygiene, etc. Lectures, three hours a week, second semester, Sophomore year.

2. This course deals with epidemiology from the viewpoints of occurrence of epidemics, mode of transmission of communicable diseases, methods for prevention and control. The powers and duties of the State and the responsibility of the medical practitioner are considered and stress is made



upon the function of the physician in aiding in the control of the communicable diseases. Lectures, one hour a week, first semester, Junior year.

### **Medical Law and Ethics**

1. LECTURES. Positive Law and the Profession of Medicine, two hours a week throughout the first semester, to the Senior class.

2. LECTURES. Natural Law and the Profession of Medicine, one hour a week for eight weeks, second semester, to the Senior class.

### **Medicine**

The course in medicine begins in the second semester of the second year with the study of Normal Physical Diagnosis. A routine examination of the body is insisted upon from the beginning, so that a definite method will be fixed in the student's mind.

During the third year symptomatology and diagnosis are given especial emphasis. The class matter consists of Clinical Pathology; of quiz work in small sections from a standard text-book of medicine; of division clinics to follow and emphasize the text-book teaching; of Physical Diagnosis and diagnostic methods; and of practical application in the out-patient clinics.

The fourth year is given to the study of disease in the out-patients' departments and in bedside instruction in the various hospitals. A course of lectures is also given on selected topics by the different members of the department. Clinical conferences are conducted, in which reports of interesting cases, essays on selected topics, etc., are discussed by the students themselves. Clinical Pathology, analyses and all forms of laboratory diagnosis demanded of the students are conducted in a laboratory especially fitted out for the use of Senior students.

1. **NORMAL PHYSICAL DIAGNOSIS**, lectures, one hour a week. Laboratory, two hours a week. Sophomore class during the second semester.

2. **RECITATIONS FROM TEXT-BOOK**, three hours a week, Junior class, throughout the year.

3. **DIAGNOSTIC CLINICS**, Junior class, to follow text-book work, two hours a week throughout the year: City Hospital and St. John's Hospital.

4. **PHYSICAL DIAGNOSIS**, Junior class, four hours a week, half clinical and half didactic, devoted to lectures, demonstrations and practical exercises at the bedside.

5. **CLINICAL PATHOLOGY**, Junior class, one hour lecture and two hours laboratory a week, throughout the year.

6. **CLINICAL PHYSIOLOGY**, given jointly with the department of physiology; two hours per week, second semester. Junior year (see course 3 under department of physiology).

7. **OUT-PATIENT PRACTICE**, in sections, Junior class, 32 hours for each student, throughout the year, at the Dispensaries.

8. **THERAPEUTICS**. Lectures and recitations three hours a week, second semester, Junior class.

9. **LECTURES ON SELECTED TOPICS**, one hour a week, throughout the year, Senior class.

10. **CLINICAL INSTRUCTION**, Senior Class, 180 hours for each student at the City Hospital, Mount St. Rose Hospital and at the hospital teaching centers: St. John's Hospital, Alexian Brothers' Hospital, St. Mary's Infirmary and St. Anthony's Hospital.

11. **CLINICAL CONFERENCES BY DIFFERENT MEMBERS OF THE DEPARTMENT**, one hour a week throughout the Senior year.

12. **CLINICAL PATHOLOGY**, Senior class in sections, in connection with Group Clinical Instruction at the various hospitals.

13. DIETO-THERAPY, two hours a week, first semester, Senior class. Professor NEILSON.

### Nervous and Mental Diseases

1. NERVOUS DISEASES. Recitations from text book. Junior class, one hour a week, first semester.

2. TECHNIQUE OF NEUROLOGICAL EXAMINATIONS. Junior class, in sections, twelve hours at the City Hospital.

3. NORMAL PSYCHOLOGY AND PSYCHIATRIC METHODS. Junior class, one hour a week, first semester.

4. PSYCHIATRY. Recitations from text book, with demonstrations. Junior class, one hour a week, second semester.

5. ORGANIC NERVOUS DISEASES. Clinical demonstrations, one hour a week, Senior class, first semester.

6. FUNCTIONAL NERVOUS DISEASES. Senior class, one hour a week, second semester.

7. PSYCHIATRY. Clinical demonstrations at the City Sanitarium, Senior class, two hours a week, first semester.

8. CLINICAL INSTRUCTION, Senior Class, 30 hours for each student at the City Hospital and at the hospital teaching centers: St. John's Hospital, Alexian Brothers' Hospital, St. Mary's Infirmary and St. Anthony's Hospital.

### Obstetrics and Gynecology

#### Obstetrics

1. NORMAL LABOR, two hours a week to the Junior class, during the first semester.

2. COMPLICATIONS OF LABOR, DYSTOCHIA AND PATHOLOGY OF THE PUERPERIUM, one hour a week, Junior class, during second semester. A standard textbook is used as the basis for this course.

3. LECTURES: OPERATIVE OBSTETRICS, one hour a week, to Junior class, second semester.

4. CLINICAL DEMONSTRATIONS in sections, Junior class, second semester, six hours for each student.

5. RECITATIONS AND QUIZZES, one hour a week, second semester, to Senior class.

6. DEMONSTRATIONS AND PRACTICE ON MANIKIN. Begins with four lectures to entire Senior Class (4 hours), followed by sectional instruction on the manikin, three hours for each student, second semester.

7. PRACTICAL INSTRUCTION. Each student must personally attend at least seven cases, about 100 hours. Record of the cases before and after confinement must be filed at the office. This work is given in the Senior year.

### Gynecology

8. LECTURES AND DEMONSTRATIONS. The Etiology, Pathology and Symptomatology of Gynecological Diseases, two hours a week to the Junior class, second semester.

9. GYNECOLOGICAL EXAMINATIONS (with Course 4).

10. DIDACTIC AND CLINICAL LECTURES WITH DEMONSTRATIONS, on selected topics one hour a week, to the Senior class. By members of the department.

11. QUIZZES AND CONFERENCES, one hour a week during one semester, to the Senior class.

12. CLINICAL INSTRUCTION, Senior Class, 25 hours for each student at the City Hospital and at the hospital teaching centers: St. John's Hospital, Alexian Brothers' Hospital, St. Mary's Infirmary and St. Anthony's Hospital.

### Ophthalmology

1. LECTURES to Junior class, one hour a week, second semester.

2. CLINICAL AND DIDACTIC LECTURES to Senior class one hour a week throughout the year.

3. CLINICAL INSTRUCTION, Senior Class, 18 hours for each student at the City Hospital, St. Louis University Dis-



pensary and at the hospital teaching centers: St. John's Hospital, Alexian Brothers' Hospital, St. Mary's Infirmary and St. Anthony's Hospital.

## **Pathology and Bacteriology**

### **Equipment**

The laboratories for this department consist of a large well-lighted room with ample capacity for eighty students, a research laboratory, preparation rooms and private rooms for the teachers of the department.

The laboratories are equipped with modern Leitz microscopes (which are used in common with histology), oil immersion lenses, projectascope, and all necessary material for teaching and research in Pathology and Bacteriology according to advanced standards.

In the pathological research laboratory is ample equipment for all kinds of histological work, including paraffin, celloidin and freezing methods of tissue preparations, microtomes, incubators, thermostats, reagents, stains, museum jars, glassware, etc. There is also equipment for serum and immunity work.

The material for teaching and research purposes represents carefully selected tissues from autopsies and surgical operations that have been collected for a number of years.

Material for gross demonstrations comprises several hundred museum specimens covering a great variety of special lesions and including malignant and benign new growths.

### **General and Special Pathology**

The course in Pathology consists of laboratory work, demonstrations, post-mortem examinations, lectures and recitations, practical work predominating.

Lectures or recitations are given six times a week. It is the object of the lecturer to cover in the course all of the essential points in general and special pathology. The

topics of the lectures precede the laboratory work, so that the student has fresh in mind a general survey of a given subject immediately before he begins its more specific study with tissue and microscope.

Twelve hours a week during the second semester are devoted to laboratory work. Each student mounts and keeps his own specimens. In addition a large number of specially selected demonstration specimens are shown. Every specimen must be drawn and objectively described and deductions made from the observations. Every drawing and description is submitted to an instructor and must be satisfactory before it is passed by him.

In addition to the microscopic work, demonstrations are given of gross lesions, both by means of fresh material and museum preparations, so that a knowledge of the gross appearance goes along with the study of microscopic changes.

### **Autopsies**

The Snodgrass Laboratory of Pathology and Bacteriology, in connection with the City Hospital, offers, through the courtesy of the Hospital Commissioner and the Director of the Laboratory, opportunity for autopsy material to the medical schools of St. Louis. Sections of the class are sent to the Snodgrass Laboratory for autopsy work. The private hospitals furnish a considerable number of autopsies to the Department. An opportunity to see specially selected medico-legal autopsies has been made possible through the courtesy of the Coroner of St. Louis.

### **Surgical Pathology**

The teaching in this course is included in the course given in the Sophomore year in general pathology. The object of the course is to equip the student with a comprehensive knowledge of the gross and microscopical appearance of benign and malignant new growths, the changes caused by these, and the ultimate results. The etiology, development, method of growth, spread and recurrence of tumors is studied

### **Experimental Pathology**

Students who show special interest in the work will be given an opportunity to participate in the experimental work that is conducted in the department. Special demonstrations along this line are given to the class from time to time in connection with diseases of the circulatory and respiratory systems, ductless glands and immunity.

### **Research Courses**

Every encouragement will be given to those who wish to undertake research work. A limited number who desire can receive instruction in methods of fixing, mounting and cutting sections, and in the various differential stains, and all essential features of pathological technic.

### **Bacteriology**

In the first part of this course are covered the essentials of the technique of bacteriological work. The subjects taken up include the morphology and biology of bacteria and their manner and extent of action in the animal body. Consideration is given to the preparation, titration and uses of various media; to the characteristic features of the growth of organisms on culture media, and finally the differentiation of bacteria by cultural methods and includes consideration of both non-pathogenic and pathogenic organisms.

In the second portion of the course an effort is made to correlate the study of the pathogenic micro-organisms with the pathological manifestations. For this purpose the gross and microscopic pathology of the diseases produced by the micro-organisms is correlated with the study of the individual organisms.

The lectures cover particularly the various pathogenic organisms, their characteristics of growth and the methods for identification, the toxic products of the micro-organisms and their action and mode of action in the human body. The laboratory course dwells chiefly upon the methods of culti-

vation and identification of the various pathogenic bacteria by special staining or cultural methods. Particular stress is placed upon the bacteriological methods which may serve as an aid to clinical medicine. The student is taught the principles of bacteriological examination of water, air and soil, and the practical value of such examinations. The bacteriological examination of sputum or smears is dwelt upon.

### **Parasitology**

In the continuation of the course in Bacteriology the higher unicellular organisms causing disease in humans are studied; demonstrations of the spirochetes, trypanosomes, hemocytzoa and other protozoa are given and when possible the living organisms are studied by the students, in order to enable them to familiarize themselves with the structure and life cycle of these organisms.

### **Serology and Immunity**

The lectures deal with the principles of immunity, the various types of immunity, the immune bodies and the method of their production, their relation to the reaction of the human body to infection, and the use of specific serum therapy in disease. The various clinical uses of the serum reactions, Wassermann reaction, Widal reaction and preparation of vaccines, are demonstrated and the student is given the opportunity to learn by practical exercise the more common clinical serological methods. In other cases demonstrations are given to illustrate the various reactions of immunity, and to make more clear the mechanism of immunity. In all such demonstrations the students are given as much opportunity as possible to assist in the experiment

### **Courses in Pathology**

1. LECTURES OR RECITATIONS, six hours a week, second semester, the Sophomore class, covering general and special pathology.



2. **LABORATORY WORK**, twelve hours a week, Sophomore class, second semester.

3. **AUTOPSIES**, three hours a week to sections of the Sophomore class, the equivalent of one hour a week for each student included in Course 2. Snodgrass Laboratory. City Morgue.

4. **SURGICAL PATHOLOGY**, Eighteen hours a week for two weeks as part of Courses 1 and 2.

### **Courses in Bacteriology and Immunity**

5. **LECTURES AND QUIZZES**, four hours a week during first semester of Sophomore year.

6. **LABORATORY WORK**, ten hours a week during first semester of Sophomore year.

### **Research Courses**

7. **RESEARCH IN PATHOLOGY AND BACTERIOLOGY**.

8. **SEMINAR**. The members of the department will meet fortnightly with those in Anatomy, Pharmacology and Physiology to present and discuss the results of their special investigations, to review recent contributions to pathological literature and to consider the best lines of advance in selected fields of research.

### **Physics**

1. **COLLEGE PHYSICS**, lectures and demonstrations, two hours a week; laboratory, six hours a week, course open to Collegiate-Medical students.

This course is given in the Physics Laboratory of the College.

### **Pharmacology**

With the present academic year the Department of Pharmacology enters the Medical Faculty of the school as a separate, independent unit, a position which this branch of science demands in developing competent physicians for the service of the community.

Laboratories have been provided on the top floor of the new wing now under construction. They are adequately

equipped for the group study of fundamental pharmacological experiments.

The main object of both the laboratory and didactic instruction will be to provide that scientific basis upon which all rational administration of drugs necessarily rests. Such training should develop the student's judgment so that in active practice he will be able to distinguish with some certainty between rational and irrational therapeutic interventions. The treatment of the subject will therefore stress pharmacology as a medical subject, but without unduly slighting its broader aspects as a branch of biology.

Certain omissions will be made in the course, but these are fully warranted because all textbooks and pharmacopœias carry more or less ballast which is unnecessary for the future medical practitioner. Moreover, it is felt that this reduction of the pharmacological load can be carried out more intelligently by the medically trained instructor than by the student himself when he lightens his mental burden at the end of a course of instruction.

### Courses in Pharmacology and Materia Medica

The following courses will be given during the year 1921-22. It will be impossible for any student to pursue Courses 2 and 3 without a good knowledge of physiology and physiological technique.

1. **MATERIA MEDICA.** Sources, preparations and dosage of drugs, prescription writing, two hours a week, second semester, Freshman year.

2. **EXPERIMENTAL PHARMACOLOGY.** In this course important pharmacological experiments will be carried out by the students in groups. The students will be required, under guidance, to work out their own interpretations of the experimental results and to state the reasons which led to this interpretation. Laboratory work, demonstrations, informal conferences and lectures, six hours a week, second semester, Sophomore year.

3. PHARMACOLOGY. Lectures, informal conferences. This course is chiefly didactic, though occasional demonstrations may be given. Four hours a week, first semester, Junior year.

4. RESEARCH WORK IN PHARMACOLOGY. Properly qualified students will be received at any time after the laboratory is arranged.

5. SEMINAR. The pharmacological staff and the members of the Department of Physiology, Pathology and Anatomy meet every two weeks for the discussion of recent important contributions in the literature and for the presentation of original investigations.

## Physiology

### Laboratories

The laboratories for Physiology occupy the top floor of the laboratory building. They are fitted out with the apparatus necessary for modern courses for medical students. Several small laboratories for research have also been equipped. In the east wing are an animal operating room, an animal hospital, a shop and two research laboratories. An animal house and runway occupy the roof of the wing.

### Instruction

The instruction in Physiology is given during the first semester of the Sophomore year. The student before beginning his work in Physiology must have completed his dissection, histology, neurology, embryology and physiological chemistry.

The course consists of systematic lectures upon animal physiology supplemented by work in the laboratory, demonstration of experiments that cannot be carried out conveniently by the student, frequent oral or written quizzes and recitations.

In the laboratory the student becomes acquainted with the use of simpler forms of physiological apparatus. He is given an opportunity to work out for himself, so far as time will permit, the fundamental experiments of physiology; to develop the power of accurate observation and description; the ability to arrange results in a logical order and to draw only warranted conclusions.

The strong modern tendency toward lack of correlation between the fundamental and clinical years is recognized and an attempt made in the course in physiology to so clinch the information given the student that when he comes to his clinical work it will be easily available. This is done, for example, by indicating now and then some pathological variation in function encountered by the student in his clinical medicine. Occasionally also an Instructor from the proper clinical department is called in to demonstrate a human subject that shows in some respect a clean-cut deviation from the normal.

In order to further correlate the subject with Clinical Medicine a course in Clinical and Experimental Physiology is offered under the joint direction of the Departments of Physiology and Medicine. This course is offered to Juniors during the second semester after they have had one semester of clinical contact. It is believed they will have developed by that time a greater interest in the fundamental phenomena underlying clinical medicine.

As far as possible the demonstration-conference method is followed, use being made of both human subjects and experimental animals. The physiology and clinical aspects of such topics as the following are considered: Vomiting, cardiac and vascular phenomena, edema, renal function, liver function, gastric and intestinal motility, temperature regulation, respiration including asthma, pain.

### Courses in Physiology

1. PHYSIOLOGY OF MUSCLE, BLOOD, CIRCULATION, RESPIRATION, ANIMAL HEAT, NERVOUS SYSTEM, SPECIAL SENSES,



## DIGESTION, ABSORPTION, METABOLISM, SECRETION AND EXCRETION.

Lectures, demonstrations, recitations and quizzes, eight hours a week, first semester, Sophomore year.

Laboratory work, ten hours a week, first semester, Sophomore year.

2. LIBRARY WORK. Each student in Course 1 is assigned at least one subject with references in the original literature, which he must consult and critically review. As many as possible of these reviews are presented before the class.

3. CLINICAL AND EXPERIMENTAL PHYSIOLOGY. Demonstrations and conferences, two hours a week, second semester, Junior year. By members of the departments of Physiology and Medicine.

## Research Courses

4. RESEARCH IN PHYSIOLOGY.

5. SEMINAR. The members of the department meet fortnightly with those in Pharmacology, Anatomy and Pathology to present and discuss the results of their investigations and to review recent contributions to physiological literature.

## Radiology

The equipment of the X-ray laboratory is representative of the best that is in use at the present time. It includes both table and fluoroscopic instruments. The instruction in radiology consists of lectures on the principles of Radiology, demonstrations to students in small groups, interpretation of plates, etc. The fluoroscopic equipment in particular is used in co-operation with the department of Physiology to demonstrate the action of the respiratory, cardiac and digestive organs.

1. LECTURES, DEMONSTRATIONS, RECITATIONS AND QUIZZES, two hours a week, second semester, Junior year.

## Surgery

**SURGICAL PATHOLOGY** (See Course 5, Department of Pathology.)

1. **MINOR SURGERY**, two hours a week, Sophomore class, first semester.

2. **PRINCIPLES OF SURGERY**. Recitations and Lectures, two hours a week throughout the year to the Junior class.

3. **OUT-PATIENT DISPENSARY WORK**, thirty-two hours for each student of the Junior class, throughout the year. Section work at the Alexian Brothers' Hospital, St. Louis University Dispensary, St. John's Dispensary and St. Mary's Dispensary.

4. **FRACTURES AND DISLOCATIONS**. Lectures to the Junior class, second semester, two hours a week.

5. **ORTHOPEDIC SURGERY**. Lectures to the Junior class, one hour a week, second semester.

6. **DIAGNOSIS CLINICS**. Junior class, in divisions, at St. John's Hospital and City Hospital, three hours a week for each student throughout the year.

7. **OPERATIVE SURGERY AND SURGICAL ANATOMY ON THE CADAVER AND ANIMALS**. Senior class, in sections, thirty hours for each student.

8. **REGIONAL SURGERY**, recitation course, two hours a week, first semester, Senior year.

9. **CLINICAL INSTRUCTION**, Senior Class, 180 hours for each student at the City Hospital and at the hospital teaching centers: St. John's Hospital, Alexian Brothers' Hospital, St. Mary's Infirmary and St. Anthony's Hospital.

10. **SPECIAL LECTURES**, including Anesthesia lectures and demonstrations, two hours a week, Senior class, second semester. Members of the department will be assigned special topics for instruction.

11. **CLINICAL INSTRUCTION**, Senior Class, 15 hours for each student at the City Hospital and at the hospital teaching centers: St. John's Hospital, Alexian Brothers' Hospital, St. Mary's Infirmary and St. Anthony's Hospital.

## PART III

### General Information

#### Requirements for Admission

In addition to the required full four years course of 15 units in an accredited high school, the following required college credits covering two years of college work must be presented:

#### \*SEMESTER HOURS

BRANCHES	LECTURES and RECITATIONS	LABORATORY	TOTAL
English .....	6 hours	.....	6 hours
Foreign Language.....	8 hours	.....	8 hours
Biology .....	4 hours	4 hours	8 hours
Physics .....	4 hours	4 hours	8 hours
Chemistry† .....	6 hours	6 hours	12 hours
Electives .....	18 hours	.....	18 hours
	46 hours	14 hours	60 hours

\*Each semester hour signifies one hour of lecture or recitation or two hours of laboratory work.

†Including four hours of organic chemistry.

#### Time of Admission

All new students and those who have conditions are advised to be present on September 27, the first day of registration. No student can enter more than one week after the beginning of a semester and receive full credit for a semester's work. No student will be admitted at the beginning of the second semester unless he has sufficient advanced standing to qualify for advancement to the next class by the end of the succeeding summer school.

#### Grading

The student's work will be graded upon the scale of 100 but no numerical grades will be issued. The following system of designation of grades has been adopted:

- A. 90 to 100, inclusive.
- B. 80 to 89, inclusive.
- C. 70 to 79, inclusive.
- D. 60 to 69, inclusive.
- E. Below 60.

A grade of D conditions the student.

A grade of E indicates a failure and the subject must be repeated.

### Rules Regarding Conditions and Failures

1. Any student who obtains a condition is entitled to a re-examination before the period set for the next regular course in that subject. Failure to pass or to take this second examination leads to a grade of E and the subject must be repeated.

2. Regular examinations for students conditioned in first semester subjects will be given shortly after Easter; for second semester subjects, just before the opening of the Fall Semester (see dates in calendar on page 3). No fee is charged for these examinations.

3. A fee of Three Dollars will be charged for examinations given at any other time. Under no circumstances is this fee remitted.

4. Students who fail in any subject are required to repeat the subject.

5. Any student having deficiencies amounting to twenty-five per cent of the work of a year cannot be advanced in his registration.

6. Any student having fifty per cent deficiencies shall be required to repeat the work of the year or be requested to withdraw, according to the action of the Council.

7. No Freshman deficiency may be carried into the Junior year. No Sophomore deficiency may be carried into the Senior year. No more than five semester hours of Junior deficiencies may be carried into the Senior year. No Junior deficiencies may be carried into the second semester of the Senior year. No student will be admitted to the Senior year whose average grade for the three years preceding is less than 75.

### Advanced Standing

Time credit is given for attendance at legally qualified medical schools of high rank.

Students who have studied medicine in another recognized school may receive subject credit, provided they have



passed satisfactory examinations in the branches which they have completed, and the Council is satisfied that the work is the equivalent of that given in this school. Those concerning the character of whose work there is doubt may be required to pass an examination to receive advanced standing.

### **The Council**

All matters concerning students, such as admission, advancement, advanced standing and special privileges, are determined by the Council.

### **Requirements for Graduation**

1. Four annual courses of not less than thirty-two weeks each, no two being in the same year, are required of every candidate for graduation.

2. The last year's course shall have been taken in this institution.

3. Acceptable evidence of good moral character must have been filed.

4. The candidate shall be at least twenty-one years old.

5. He shall have satisfactory credits and pass his final examinations in accordance with the rules laid down by the Faculty.

6. All indebtedness to the school shall have been paid.

### **Discipline**

Irregularity of conduct, negligence, or habitual absence from the assigned work of the institution are by regulation made sufficient grounds for suspension or expulsion.

### **Examinations**

Course examinations on the work pursued by students are given at the end of each semester. These examinations are usually written, but may be partially or wholly oral and practical, at the discretion of the instructor.

The University reserves the right to revise the existing regulations regarding examinations at any time.

### Fees

A matriculation fee of \$5.00 is required of all students who register for the first time in the University. No charge is made for dissecting material nor for laboratory work, but each student is required to deposit \$10.00 to cover supplies, breakage and damage done to college property. This amount, less the actual cost of the above items, will be returned to each student at the end of the session. When possible, loss or damage is charged to the student who is responsible; but in some cases it may be divided among a class or group of students, if the Dean considers such procedure just. The purpose is to make every student a guardian of the college property.

All fees must be paid in advance at the beginning of each semester. An additional charge of \$5.00 will be required of students whose fees are not paid before October 8th, 1921 (First Semester), and February 10, 1922 (Second Semester). A limited number of microscopes may be rented by students so desiring, for use during laboratory periods only, for \$10.00 per year. Checks should in all cases be made payable to St. Louis University.

#### Premedical Classes, I and II:

Matriculation (paid on entrance).....	\$ 5.00
Deposit .....	10.00
Tuition, payable in advance (first semester).....	80.00
Tuition (second semester).....	80.00
Total.....	\$175.00

#### Regular Medical Classes:

Matriculation Fee (paid on entrance).....	\$ 5.00
Tuition (first semester).....	125.00
Tuition (second semester).....	125.00
Deposit .....	10.00
Total.....	\$265.00

Diploma Fee ..... 10.00

Tuition fees include the special assessment of \$10.00 made by the student council for student activities.

No fees are returnable except the deposit fee, as stated.

### Microscopes

Every student must have the use of a good microscope. He may furnish his own instrument, or he may rent or purchase one from the University. Students are strongly advised to adopt the purchase plan, as they will thereby not only have the exclusive use of a first-class microscope throughout their course of study, but also will carry the same instrument into their professional practice. The microscope is indispensable in modern diagnosis, and no physician is properly equipped without one.

### Purchase of Microscopes

An arrangement has been made with the manufacturers by which students may secure, by a single payment, microscopes at from 10% to 20% less than the catalogue prices, plus expressage and exchange. By choosing the installment plan of payment students may also purchase microscopes at less than catalogue prices. In every case the student secures his microscope at the actual cost to the University plus interest on deferred payments.

### Internships

Every medical student should look forward to a service of one or two years in a good hospital before going into private practice. Within a few years, probably such a service will be one of the prerequisites to medical licensure in most of the States of this country. It is already required in some States.

### Hospital Examinations and Appointments

Annual appointments to positions on the house staffs of the St. Louis City eleemosynary institutions, the St. Louis City Hospital, Sanitarium, etc., are made by the Hospital Commissioner of St. Louis. These appointments are open to graduates of all the medical schools of the country, and the

successful applicants are appointed for a period of one year, which may be extended to two or three, dependent on satisfactory service and efficiency on the part of the incumbent.

Certain hospitals outside St. Louis offer their examinations for internships in St. Louis so that students may take them without inconvenience.

Many hospitals appoint their interns without examination, on recommendation by the authorities of this Medical School.



## Summer School Courses

The growing demand of practitioners and students, together with the urgent requests of Alumni and friends of the St. Louis University School of Medicine, to establish Summer Courses of Medical Instruction, was met in 1908 by formulating a schedule of courses covering both clinical and fundamental branches. The course begins early in June and ends late in July—a period of eight weeks.

The Summer School of Medicine is intended to provide facilities for three classes of students.

The first class comprises medical graduates who wish to take additional clinical instruction or to review fundamental subjects or to make themselves familiar with new methods of diagnosis or treatment.

A program of clinics is arranged which will utilize to the best advantage the facilities of the institution. Special opportunities will be given those who desire to confine themselves to particular work, so far as the clinical facilities of the school will allow. A post-graduate certificate is awarded to those who successfully complete the work of one of the courses outlined.

The second class of students for which the Summer School is adapted is composed of undergraduates in medicine who wish to secure advanced standing or to remove deficiencies. Courses in the various fundamental subjects will be offered by regular instructors in these departments. These courses are open to practitioners as well as to undergraduates. They may, furthermore, be taken with advantage by public school teachers and others who do not care for credit in medicine, or who contemplate entering on a medical course later.

The third class of students comprise such as lack some of the preliminary college studies, Biology, Chemistry, Physics and German.

For Bulletin of Information, address,

Director of the Summer School,

1402 S. Grand Ave., St. Louis, Mo.

# School of Dentistry

## School of Dentistry

### Officers

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## Introductory Statement

### Location

The College Buildings are located on Compton Hill, Grand avenue and Caroline street, the highest point in St. Louis. From the College all portions of the city are readily reached by means of electric car lines passing the College or its immediate vicinity.

The situation of the College is favorable for securing desirable clinical patronage. This is an advantage of importance to a dental college. The Infirmary is daily visited by patients from all parts of the city and its environs.

### College Buildings

The College Building has been carefully arranged to meet all the demands of structures devoted to similar educational purposes. Full equipment for teaching, such as models, microscopes, lantern slides, etc., has been provided.

The Technic Laboratories which occupy almost the whole of the first floor, are divided into separate sections, one for each class. In these departments modern appliances for the most approved work have been installed, such as porcelain furnaces, lathes, electric connections and devices of various kinds.

Two rooms on the second floor are set apart for the extraction of teeth and the taking of impressions and are provided with the latest equipment for this class of work.

The lecture rooms and chemical, histological and pathological laboratories are equipped with modern appliances and are conveniently located for the use of the students.

### Library

The students' library contains all the latest text-books, books of reference and journals pertaining to both dental and medical subjects. A librarian has charge of the library, which is open to the students at all hours of the day.



## Outline of Course

The course of instruction covers four years, comprising didactic lectures, clinical lectures, laboratory work, practical clinical work in operative and prosthetic dentistry; stereopticon displays from drawings, photographs and microscopical slides; written reviews, recitations, written and oral examinations and quizzes.

### **Anatomy—Dental**

The course in Dental Anatomy includes a careful study of the surfaces, ridges, fossae, grooves, etc., of the individual teeth of both the deciduous and permanent sets; their origin, formation, calcification, eruption and peculiarities in formation and growth.

Freshman Class: Lectures 4 hours a week; Laboratory 4 hours a week.

### **Anatomy—General**

The courses in General Anatomy are designed to give the student a working knowledge of the subject, with special reference to the anatomy of the parts in which the student, and later the practitioner, are most vitally interested.

Sophomore Class: Lectures 2 hours a week; Laboratory, 6 hours a week.

### **Biology**

Invertebrate Zoology: A study of the morphology, physiology, behavior and life history of invertebrate animals. Special attention is given to parasitic protozoa, worms and disease bearing insects. Lectures and recitations, one hour a week; laboratory work, two hours a week, Freshman year, first semester.

Vertebrate Zoology: A study of the comparative anatomy and physiology of vertebrate animals. Attention is also given to problems of broader biological interest. Lectures and recitations, one hour a week; laboratory work, two hours a week, Freshman year, first semester.

### Ceramics

A course of lectures and demonstrations on Dental Ceramics covers the theory and technic of porcelain art as applied to the practice of dentistry. Special attention is given to the preparation of cavities, and the baking of porcelain restorations in the technic course.

Senior Class: Second semester.

### Chemistry

The course consists in a study of the elements, their compounds, characteristics and properties.

Freshman Class: Inorganic, Lectures and Demonstrations, 6 hours a week.

Sophomore Class: Organic, Lectures and Laboratory, 4 hours a week, first semester.

Sophomore Class: Physiological, Lectures and Laboratory, 4 hours a week, second semester.

### Clinics

The final success of a dentist depends largely upon what he can do himself, and upon the skill and judgment with which he operates upon the patients who present themselves for his services.

Skill and judgment can be acquired only by practice. The clinic is the heart of the dental school, and in proportion to the amount of judgment the student has and the skill he develops in the clinic under the direct supervision of experienced instructors will be the degree of his success when, after graduation, he starts upon the work of his profession.

The St. Louis University School of Dentistry as above stated, is particularly fortunate in this respect, having abundant clinical material at its disposal. In addition the Dental School maintains six out-clinics in public and private institutions, which are equipped with complete dental

outfits, where students from the Dental School on certain days do the needed dental work.

A number of eleemosynary institutions send their charges to the clinic for dental services. On two days of the week a large part of the clinic is devoted exclusively to indigent public school children work. Under the direction of officers of the Health Department of the schools of St. Louis hundreds of school children from all parts of the city are treated without charge.

All the above work is done by students under proper supervision, special demonstrators being assigned to the various sections.

A weekly test examination in practical dentistry is given to the Senior class to determine the progress made by them in practical infirmary work.

### **English**

A practical course in college English which is intended to give the student the ability to express himself fluently, clearly and effectively.

Freshman Class: 3 hours a week.

### **Exodontia and Anesthesia**

In this course the technic of extraction is systematically presented by illustrations and lectures so that the entire plan of operative procedure for any case may be readily comprehended. The instrument to be used for each tooth, the method of applying the instrument and extraction movements are fully described and demonstrated. The extraction of teeth in the numerous stages of decay, the different malocclusions and the most frequent form of abnormalities are methodically treated. The extraction of impacted teeth, especially the inferior third molar, is thoroughly demonstrated. The important subject of After Treatment, with special reference to pain and hemorrhage, is carefully considered. The pathologic conditions of tissue and practical

methods of diagnosis are critically analyzed. In addition to this, a clinical course is given so that the student may have a practical knowledge of this important subject.

Throughout this course, the Roentgenological Department is brought into use for diagnostic and demonstration purposes.

The course of Anesthesia is in the hands of an expert anesthetist who treats the subject of both local and general anesthesia, giving, in addition, practical demonstrations.

Senior Class: Anaesthesia, 1 hour a week. Exodontia, 1 hour a week, second semester.

### **Histology**

The course in microscopic anatomy covers the structure of the various body tissues, special emphasis being laid upon the structure of the teeth and of the surrounding tissues. In this course are also considered the elements of embryology, with particular reference to the development of the teeth.

Each student is provided with a compound microscope and a series of mounted sections of the tissues as they are studied.

Freshman Class: 9 hours a week, second semester.

### **Jurisprudence, History, Economics and Ethics**

The legal responsibility of dental practitioners and also the relations of the public to the dentist are clearly explained by the lecturer in this course.

Senior Class: 1 hour a week, second semester.

### **Materia Medica and Therapeutics**

In this course special stress is laid upon the physiological actions and rational uses of drugs peculiar to dental practice. Such subjects as weights and measures, the preparation of percentage solutions, prescription writing, methods of administration, and the more important poisons and their antidotes are also considered.

Sophomore Class: 2 hours a week.



### **Metallurgy**

Instruction in this subject includes the nature and physical properties of metals, especially those used in dentistry; the manipulation of metals, annealing and tempering; the manufacture of alloys, dental amalgams and solders.

The laboratory is complete with furnace, fume chamber and all apparatus necessary to make the course thoroughly practical.

Freshman Class: 3 hours a week, first semester.

### **Operative Technic**

This course is designed to give the student a thorough training in the preparation of cavities in bone teeth, manipulation of the various filling materials and familiarity with the names and uses of the various instruments used in operating. Entire Freshman year and first semester of Sophomore year.

Freshman Class: 8 hours a week, second semester.

Sophomore Class: 7 hours a week.

### **Operative Dentistry**

To restore teeth which have become diseased to normal or functional condition, is the ideal of operative dentistry.

The course in Operative Dentistry includes operative technic and clinical practice throughout the entire course.

To facilitate the training of the student in the recognition and accomplishment of the ideals of dental art, instruction in the detail of all operations upon the teeth is given in the technical laboratory, clinic, and by lectures.

The aim of the course is to bring out all that is eminently practical. It includes instruction on the preparation of cavities, filling with all materials commonly used, such as gold, amalgam, tin and cement; also with gold and

porcelain inlays; the theories taught are amply demonstrated in the clinic and cover all that has been proven valuable by practical experience.

Junior Class: 1 hour a week.

Senior Class: 1 hour a week.

### **Oral Surgery and Hygiene**

Since Dentistry is a branch of Surgery, students must be taught the practical application of surgical principles to the major lesions of the mouth. This is the subject-matter of this course. Students are instructed in, and made to carry out, the detail necessary for surgical treatment. Members of the Senior class are permitted to assist in the operative work of major character and even to perform such operations as it is deemed proper for them to undertake. A clinic in oral surgery is utilized for instruction.

Special attention is given to pyorrhea alveolaris and its treatment; students are given the opportunity of studying and practicing the latest methods for the relief of this condition.

The course in Hygiene gives careful consideration to the subject of the mouth, its care, etc., prophylaxis, the predisposing factors of disease, the principles on which immunity depends, the relation of ventilation, water supply, food, etc., to the public health, climatology, heredity and vital statistics.

Junior Class: 1 hour a week.

Senior Class: 3 hours a week.

### **Orthodontia**

Lectures and Technic in Orthodontia embrace a consideration of the different classes of malocclusion and study of proper appliances for correction.

In addition to practical clinic cases assigned to each student, lectures and technic work are given to Seniors and Juniors.

Junior Class: Laboratory Technic, 2 hours a week.

Senior Class: Lectures and Practical, 2 hours a week.

### **Osteology**

Freshman Class: 2 hours a week, second semester.

### **Pathology and Bacteriology**

In addition to the fundamentals of Bacteriology, methods of cultivation and identification of bacteria, sterilizations, etc., the more important organisms and the diseases which they cause are studied systematically. The bacteria of the mouth and throat receive special attention.

Sophomore Class: 4 hours a week.

Pathology is taught in the Junior year. In this course are studied the more important lesions which may occur in tissues. The special dental diseases are taken up in the course in Dental Pathology.

Junior Class: 4 hours a week.

Lectures in Dental Pathology embrace a consideration of all the diseases of the oral cavity, bearing on dentistry. Special attention is given to all diseases of the dental pulp and pericemental membrane, from simple inflammation to alveolar abscess.

Senior Class: 1 hour a week.

### **Physics**

A lecture course in mechanics, heat, and electricity. Those portions of physics that are of most interest to the dental student, such as the theory of X-ray, are given special attention.

Freshman Class: Lectures 2 hours a week; Laboratory, 2 hours a week.

### **Physiology**

This course aims to give the student a general knowledge of the normal activities of the human body. Emphasis is laid on the nervous system, muscular tissues, circulation, respiration, digestion and excretion.

Sophomore Class: 5 hours a week, first semester; 4 hours a week, second semester.

### **Prosthetic Technic**

Embraces in detail the construction of the various forms of artificial dentures and appliances used in modern dentistry.

In these several courses it is the aim to teach not only the more mechanical processes, but also that combination of art with mechanism which enables the practitioner to effect so much in restoring the symmetry of the face and usefulness of the teeth, when they have been lost or impaired by accident or disease.

Freshman Class: 8 hours a week, second semester.

Sophomore Class: 4 hours a week.

Junior Class: 4 hours a week.

Senior Class: 4 hours a week.

### **Prosthetics: Crown and Bridge Work**

In the lectures of this course particular stress is laid upon the harmonious relations existing between mandibular movements (three-point contact), articulation and tooth arrangement. During the entire four years of the Dental Course special practical instruction is given in tooth selection and in the arrangement and restoration of harmonious conditions.

All varieties of crowns and bridges are studied with their indications and contra-indications; the preparation of teeth and construction of parts to correspond to the organs lost.

Sophomore Class: 3 hours a week.

Junior Class: 3 hours a week.

Senior Class: 2 hours a week.

### **Roentgenology**

Roentgenology has become so valuable an adjunct to the practice of dentistry that no course can be considered adequate that does not provide the student with the necessary instruction to familiarize him with the interpretation of dental Roentgenograms and with the nature of X-rays and the technique required for their use.

Recognizing this necessity, the University has installed a Roentgenological laboratory, with a complete equipment where the clinic work can be radiographed, giving valuable training to the students and insuring the best results to the patients.

Senior Class: Lectures and demonstrations 1 hour a week.



### **Technical Drawing**

A course in elementary mechanical drawing that is intended to inculcate habits of neatness and precision.

The course will consist in practice in the use of drawing instruments, the production of simple working drawings, and of dental charts.

Freshman Class: 3 hours a week, first semester.

### **Requirements for Admission**

These are the same as are outlined by the Dental Educational Council of America, for Class "A" Dental Schools.

"The requirements for entrance shall consist of graduation from an accredited high school or academy which requires for graduation not less than fifteen units of high school work obtained in a four years' course beyond the eighth grade of the elementary school. No conditions on the foregoing entrance requirement shall be allowed.

An accredited high school is defined as one which is accredited as a four-year high school by the United States Bureau of Education, or by a University which is a member of the Association of American Universities, or by the State University of the State in which the high school is located.

In the case of an applicant who is not a graduate from a high school or academy, as defined above, the full equivalent of such education in each individual case must be established, and attested to by the highest public educational officer of the state in which is located the dental school which the applicant seeks to enter."

### **Requirements for Graduation**

The candidate for graduation must be of legal age and of good moral character; must present to the faculty the required clinical record of practical operation on the natural teeth, must sustain a satisfactory examination in the branches taught and must prove his fitness for the practice of dentistry.

His time of study must include attendance on four courses of lectures, the last of which must be at this Institution.

His deportment during the course must have been unexceptional, and attendance upon all lectures, clinic and other

instruction in the course must have been in accord with the requirements of the school.

Attendance on any course of lectures in other recognized dental colleges having similar requirements will be accepted as equivalent to a corresponding course in this school. Graduates of medical colleges will be required to attend three full years of instruction in this school, including all laboratory and clinical requirements, and all lectures, before applying for graduation.

Having complied with the above requirements, the faculty will recommend the candidate to the Board of Trustees of the University as entitled to receive the degree of Doctor of Dental Surgery.

### **Dental Instruments**

Each student is required to procure certain instruments with which to do the necessary work. A list of the proper instruments will be furnished by the Dean upon application, but no instruments should be purchased until this list is secured.

### **Military Dentistry (R. O. T. C.)**

Special provisions have been embodied in the Army Reorganization Act of June 4, 1920, placing dento-military instruction of a character satisfactory to the teaching staff of this school. The course is divided into a Basic and Advanced one with one summer camp of six weeks' duration in the event that the student elects to enter the advanced work of the last two years of school. (Students who have had service in Army, Navy or Marine Corps will not be obligated to attend a summer camp.)

During the entire advanced course of some twenty months the student receives from the War Department commutation of subsistence, \$16.00 a month, \$1.00 per day during his stay in camp, with mileage at five cents per mile to and from camp or traveling expenses, equipment and clothing while at camp.

Students do not wear uniforms while in school and do not drill, and in no way obligate themselves in the event that they discontinue their attendance at school.

Upon application and notification by the college Dean, graduates of this course will ordinarily receive commissions from the War Department in the Dental Reserve Corps.

### Tuition Fees

#### Freshman Year—1921

Matriculation, payable before October 3rd.....	\$ 5.00
Deposit Fee, payable October 3rd.....	10.00
Student Activities Fee, payable October 3rd.....	10.00
Tuition, 1st semester, payable October 3rd.....	100.00
Tuition, 2nd semester, payable February 1st.....	100.00
Total fees first year.....	\$225.00

#### Sophomore Year

Deposit Fee, payable October 3rd.....	\$ 10.00
Student Activities Fee, payable October 3rd.....	10.00
Tuition, 1st semester, payable October 3rd.....	100.00
Tuition, 2nd semester, payable February 1st.....	100.00
Total fees second year.....	\$220.00

#### Junior Year

Deposit Fee, payable October 3rd.....	\$ 10.00
Student Activities Fee, payable October 3rd.....	10.00
Tuition, 1st semester, payable October 3rd.....	80.00
Tuition, 2nd semester, payable February 1st.....	80.00
Total fees third year.....	\$180.00

#### Senior Year

Deposit Fee, payable October 3rd.....	\$ 10.00
Student Activities Fee, payable October 3rd.....	10.00
Tuition, 1st semester, payable October 3rd.....	80.00
Tuition, 2nd semester, payable February 1st.....	80.00
Total fees fourth year.....	\$180.00

*Students are not admitted to classes until all fees for the current semester are paid. No exception will be made to this rule.*

The matriculation fee is paid but once, when the student enters the school. The deposit fee is paid annually by all students and covers damage done to any college property and college supplies used. The amount of this fee, less the actual cost of property damaged and supplies used, will be returned to the individual student at the end of the session. Insurance and locker charges may be paid out of deposit fee.

According to the regulations of the school, no tuition fees are returnable. Should the student discontinue his studies, any fee or fees paid will hold good for a subsequent course, but they are not transferable.

Institute of Law



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### Officers

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President.

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Acting President of the University.

PAUL BAKEWELL, LL. D.,  
Dean.

REV. MATTHEW McMENAMY, S. J., A. M.,  
Regent.

ALPHONSE G. EBERLE, A. B., LL. B.,  
Secretary.

## Introductory Statement

A special announcement giving detailed information of this department is published annually. For copies of such announcement or for other information relating to the department of law, address the Registrar, St. Louis University Institute of Law, 3642 Lindell Boulevard, St. Louis, Mo.

### Course of Instruction

The complete course of studies in this school (1) prepares the student for the Bar, by giving him a thorough instruction in legal reasoning and in the general principles and rules of American Law; (2) prepares the student to practice law in any English-speaking jurisdiction; (3) offers to advanced students instruction in all that belongs to law in its scientific and wider sense; (4) extends to students who do not propose to practice law, but who wish to pursue some particular branches of legal or political knowledge, any assistance they may require for these studies. These four and distinct phases of instruction are known as the Degree Course, the Graduate Course and the Special Course.

The Undergraduate or Degree Course covers a period of three years in the Day School and four years in the Night School, and leads to the degree of LL. B. It embraces all the branches scheduled, with reasonable provision for advanced standing in the case of students who have completed elsewhere the work of the earlier years.

The Graduate Course, leading to the degree of LL. M., may be entered upon by students who have received the degree of LL. B. from this or some other approved school of law.

The Special Course will depend largely upon the option of the student, the opinion of the Faculty in each particular case, and always upon the ruling of the Dean. But the

course once chosen must be pursued and completed with the same thoroughness as is required in the regular courses.

### **Two Schools of Instruction**

The course of instruction is carried out in two schools, viz.: a Day School and a Night School. The circumstances of a great body of desirable law students have made the Night School of Law a necessity, at least in this country and at this time. These young men are forced to work during the day, and cannot take advantage of the lectures then given. On the other hand, experience has established the fact that in this class of aspirants we often find the brightest legal talent. Some of the ablest lawyers and judges in the country have received their legal education in night schools.

Nor does the fact that the school is held in the evening detract in any way from the efficiency of the course. The same studies are pursued. The same advantages of library, consultation and practice court exist. The same ability in professors is as available in the evening as during the day, and the hours of class are substantially equivalent in number and duration.

The Day School opens every morning, except Saturdays, Sundays and legal holidays, at 8:30 o'clock, and continues until 11 o'clock. In the afternoon classes are resumed at 3:30 o'clock and continue until 6 p. m. The Night School opens every Monday, Wednesday, Friday and Saturday evening at 7:30 o'clock, and closes at 9:30 p. m., the intervening evenings being allowed for study and lectures.

### **System of Instruction**

There are three distinct systems of instruction employed in the law schools of the United States, viz., the Lecture system, the Text system, and the Case system.

The Lecture system aims at imparting knowledge by a series of set daily lectures and is followed by recitations consisting of a series of questions or quizzes meant to elicit the student's grasp of the subject and improve his expression. The Text system contemplates the daily study of assigned portions of chosen text-books and recitations upon the same in the class-room, amplified by such explanations or lectures by the instructor as may be deemed necessary and a repetition of the portion so explained. The Case system teaches the law by the study of adjudicated cases. According to this method, the student is given a selected case which he is required to examine in search of the principles on which the case was originally decided, and is required to collate the essential facts, and the rules of law applied thereto, in a summary which gives an exact statement of the law involved in the case of the process of legal reasoning.

These systems have their advantages and their drawbacks. Thus the Lecture system is credited with affording the student a connected, systematic and doctrinal knowledge of the law. It supplies the want of proper manuals, or renders the student independent of all manuals. It is suited to the constant, rapid, and changing advance of legal science, and saves time and money for the student. On the other hand it ignores and eliminates the mental discipline of the student; cultivates his memory at the sacrifice of his understanding and is adapted to courses of less importance and courses that are more specialized.

The Text system, it is claimed, gives more definite and permanent impressions of the principles and rules of legal science through the study of standard text-books, the careful analysis of leading cases, followed by the explanation and examinations of the recitation room. But then, again, it is asserted that this system stunts the mental growth of the lawyer. It cultivates his memory, not his legal talent, and is suited for less difficult branches.



The Case system, it is said, is better suited to develop the analytic faculties of the mind, at the same time that the memory is stored with legal principles. It is the nearest approach to the work of the practicing lawyer, who examines adjudicated cases in search of the principle of law applicable to the case in question. Yet it is objected, that the system is so slow that, where it is followed exclusively, the average student graduates without having learned even the most elementary branches of the law, simply for the lack of time to do the work.

Believing, therefore, that each system has its advantages, the St. Louis University Institute of Law does not commit itself to any one system to the exclusion of the other. It will employ, or at least countenance the employment by its professors of all these various systems. The three systems will, it is believed, give more satisfactory results, under the present conditions of law schools in the United States. We believe that the student, generally speaking, will get from the mixed system as much if not more than he would from an exclusive system. He will learn all that he would learn in an ordinary Case system school. Over and above this he will possess a systematic knowledge and a familiarity with branches of the law of which he would have been profoundly ignorant under the Case system alone. On the other hand, he will, in our mixed system, acquire a mental discipline which the Lecture and Text-book system would not impart. In a word, in our mixed system, the student will have the depth of the Case system and the breadth and definiteness of the Lecture and Text-book system.

### **Entrance Requirements**

#### **A. For Freshman Year—Without Examination**

Beginning with the Fall Term, 1922, all applicants for admission to the Institute of Law as regular students, who are candidates for the degree of LL. B., must have a pre-

liminary education equivalent to a four-year high school course of standard grade, and in addition thereto must also have completed two years of approved college work.

#### **B. For Freshman Year—With Examination**

All other applicants for admission as regular students to the first year of law who cannot qualify under the above requirements, must pass examinations in first and second year college subjects.

Applicants who are required to take an entrance examination should present themselves for examination on Tuesday, September 5, at 10 a. m., at the University.

If a student is admitted with conditions in entrance subjects, he must remove such conditions a year from the time when they were imposed.

Unless the applicant come from another Law school, he will not be admitted to the first year class after the second week in November.

All students are urged to enter at the beginning of the year.

The entrance examinations for the first year of law are conducted at the same time and by the same members of the Faculty as the examination of candidates for admission to the third year of the College of Arts and Sciences.

Those intending to apply for examination for entrance to the first year of law should notify the Registrar of the Institute before the opening of classes, and also apply for directions, as examinations cannot be taken later.

#### **C. For Advanced Students—For the Junior Year of Law**

a. EDUCATIONAL REQUIREMENTS. The applicant must be at least nineteen years of age, and have fulfilled all the requirements specified for admission to the first year of Law, or give proof of a satisfactory grade of scholarship. Examinations, however, in any other subjects re-

quired by the Faculty for admission to the Junior year may be demanded.

b. **PREVIOUS LEGAL ACQUIREMENTS.** Admission to the Second Year of Law will be granted to those applicants—

1. Who have passed satisfactory examinations in all the prescribed courses of study of the First Year.

2. Who have studied one or more years in a Law School of the Association of American Law Schools, or in one of their substantial equivalents; (Students thus admitted, however, must pass examinations in courses previously pursued in the class and which they have not taken before or at the close of the year, as the Dean will decide in each case.)

3. Who have, actually in good faith, and as their principal occupation, pursued for a period of fifteen months, in the office or under the guidance of some reputable practitioner or instructor, a course of study fairly equivalent to that pursued in the First Year, and who present to the Dean the affidavit of such practitioner or instructor showing with particularity that this requirement has been met.

**D. For Advanced Students—For the Senior Year of Law**

Students from other Law Schools of high grade will receive credit, not, however, exceeding two years in amount, for the satisfactory completion of work done in these schools similar in character to that required in this school.

**E. For Special Students**

Special students are those applicants for entrance to the regular course who have not the prescribed preliminary requirements for the degree, or those who do not desire to pursue regular work.

The following persons will be admitted to this school as special students:

1. Holders of academic degrees in Arts, Literature, Philosophy and Science.

2. Persons whose previous education qualifies them to pursue the studies in which they wish to specialize.

3. Special courses will be selected under the guidance of the Dean and must be pursued with the same thoroughness as in the regular course. No applicant under twenty-one years of age will be permitted to specialize in this school.

4. Special students will receive a certificate for all work done.

5. Special students may enter at any time as candidates for a degree, provided they have met the entrance requirements for regular students.

6. A general certificate will be issued to all students completing the regular course of study who have not the prescribed preliminary requirements for the degree.

### Practice Court

The Practice Court is essential to an efficient course in law. Students, as a rule, go directly from the law school into practice, without serving a preliminary clerkship in a law office. This has made it necessary for the Institute to provide the instruction in pleading and practice which formerly the student obtained during his law-office apprenticeship. The practice courts furnish the student with as thorough a knowledge, and give him as great a familiarity with the actual practice of law, as can be obtained in a law office. It is not, therefore, merely a moot court, or forum for the argument of disputed questions of law; it is a training school in which the student is systematically put through the routine of office work, court proceedings and the practical duties of professional life.

In addition, therefore, to the courses in procedure in which instruction is given in the principles and general



rules of practice in state and federal courts, the Institute maintains an organized Practice Court, which is divided into a Circuit Court and a Supreme Court, with a full corps of officers.

The Circuit Court holds four sessions monthly, on Saturday. At certain sessions, motions, demurrers, pleas, and all proceedings of an interlocutory or preliminary nature, and which in actual practice precede the hearing of the case, are disposed of. At the other sessions of the court cases are tried, or such proceedings are had as are usual at the final hearing of cases in trial courts. Juries are drawn and impaneled, evidence introduced, instructions given, verdicts and judgments are rendered as in the regularly established courts of the country. Appeals and writs of error are prosecuted in due course to the Supreme Court, where briefs are filed and arguments made as in the best conducted Appellate practice. The students issue, serve and return regular process, prepare and file the proper pleadings, conduct the trial, and make the legal argument. In this way they are given practical experience in the commencement of suits, the preparation of pleading, the argument of lawyers, the trial of the case, the entry of judgment, the taking out of execution, and the appealing of the case to the court of last resort.

The Freshmen will act as process servers, witnesses and jurors in this court and assist in preparation of causes. The conduct of the trial is in rotation assigned to the Juniors and Seniors. Professors experienced in judicial work will regularly preside or be present.

The Supreme Court, to which cases may be appealed or taken by writ of error from the Circuit Court, sits monthly, or oftener, as the work before it may require. This court is presided over by a member of the Faculty and two or four members of the Junior or Senior class. Written briefs are required to be prepared, served properly, and submitted to the court. Written opinions containing a full discussion

of the legal question presented are required to be handed down by the student justices. Neatness, accuracy and lawyer-like method of expression will be insisted upon in the composition of these opinions, in the writing of briefs, and the execution of all other work before the Practice Court.

Each student will be required during the Junior year to try at least one case in the inferior court, and to take it by appeal to the superior court. In the third year each student will be required to take part in at least two causes, one at law and the other in equity, in the circuit court, and, on appeal, in the supreme court.

## Outline of Courses

The course of studies is arranged for four years for the Night school and for three years for the Day school and a Post-Graduate Course of one year, given as a night course. The Day school course is so distributed as to require a minimum of fourteen hours of actual recitations, lectures, and practice court work per week. In the Night school the minimum number of hours assigned to the same work will be eight hours each week, from each class.

In addition to the courses indicated in the schedule of studies, provision will be made each year for courses of lectures, and for single lectures by eminent specialists in the profession.

The course of studies will always be subject to revision and change; and it will always remain in the power of the Faculty to raise or lower the fees for tuition, to modify the curriculum, or to otherwise adjust matters pertaining to the conduct of the school as in its wisdom it will judge to be for the best interests of the Institute.

# THE DAY SCHOOL—FRESHMAN YEAR.

Courses	Text, Case-Book, Author, or Method	Hours per week	Semester	Class Days	Hours of Class		Professor, Lecturer, Instructor
					A. M.	P. M.	
Bailments and Carriers Agency	Goddard	1 hr.	II	Friday		4:00-5:00	Professor Dolan
Contracts	Tiffany, Mechem's Cases Lawson; Cases	1 hr. 2 hrs.	I, II I, II	Tuesday Monday Wednesday	9:30-10:30 9:30-10:30		Professor Eberle Professor Eberle
Criminal Law and Pleading	Clark and Marshall Knowlton's Cases	1 hr.	I, II	Saturday	8:30-9:30		Professor Bishop
Torts	Cooley on Torts (Student's edit.); Burdick's Cases.	2 hrs.	I, II	Mon. and Thurs.	8:30-9:30		Professor English
Common L. Plead.	McKelvey	2 hrs.	II	Wednesday Friday	8:30-9:30		Professor Rooks
Sales	Burdick, F. M. (3d edit.)	2 hrs.	II	Tues. and Fri.	8:30-9:30 8:30-9:30	5:00-6:00	Professor Schiek
Elementary Law	Robinson's Elementary Law (New Enlarged Edition)	1 hr. 2 hrs.	I I	Tuesday Wednesday Friday	8:30-9:30 10:30-11:30		Professor Eberle
Public Speaking		1 hr.	I, II	Saturday	9:30-10:30		Professor Koehler
Personal Property Ethics and Nat. L.	Childs Coppens	1 hr. 1 hr.	I I	Friday Thursday	8:30-9:30 9:30-10:30		Professor Schiek Professor Wallace
Legal Bibliography	Lectures	1 hr. 2 hrs.	II I, II	Monday Saturday		3:30-4:30 7:30	Professor Dolan
Practice Court							



# THE DAY SCHOOL—JUNIOR YEAR.

Courses	Text, Case-Book, Author, or Method	Hours per week	Semester	Class Days	Hours of Class		Professor, Lecturer, Instructor
					A. M.	P. M.	
Bills and Notes	Ogden	1 hr.	I, II	Thursday	.....	4:00-5:00	Professor Dolan
Evidence	Jones on Evidence; Wigmore's Cases	2 hrs.	I, II	Tues. and Thurs.	10:30-11:30	.....	Professor Robbins
Property	Real Property; Tiffany	2 hrs.	I, II	Tues. and Thurs.	8:30-9:30	.....	Professor Robbins
Domestic Relat's.	Long	1 hr.	I, II	Tuesday	9:30-10:30	.....	Professor Bishop
Partnership	Mechem	1 hr.	I	Friday	9:30-10:30	.....	Professor Eberle
Quasi-Contracts	Woodward	1 hr.	II	Friday	9:30-10:30	.....	Professor Eberle
Code Pleading	Phillips	1 hr.	I, II	Friday	8:30-9:30	.....	Professor Pearcy
Damages	Bauer	1 hr.	II	Thursday	.....	3:30-4:30	Professor Tompkins
Equity Jurisdic.	Pomeroy's Equity Jurisdic. (Stu. Edit.); Hutchin's and Bunker's Cases	2 hrs.	I, II	Mon. and Wed.	8:30-9:30	.....	Professor Barth
Bankruptcy	Bankruptcy Act and Williston's Cases	1 hr.	II	Friday	.....	5:00-6:00	Professor Kane
Corporations	Clark (Third Edition)	2 hrs.	I, II	Mon. and Wed.	.....	5:00-6:00	Professor English
Practice Court	.....	2 hrs.	I, II	Saturday	.....	7:30	Professor Dolan

# THE DAY SCHOOL—SENIOR YEAR.

Courses	Text, Case-Book, Author, or Method	Hours per week	Semester	Class Days	Hours of Class		Professor, Lecturer, Instructor
					A. M.	P. M.	
International Law	Hershey's Essentials of Int. Law	1 hr.	I	Tuesday	8:30-9:30	.....	Professor Edmunds
Conflict of Laws	Minor	1 hr.	I, II	Monday	8:30-9:30	.....	Professor Robbins
Constitutional L.	Black; Boyd's Cases	1 hr.	I, II	Monday	9:30-10:30	.....	Professor Lilly
Municipal Corporations	Ingersoll	1 hr.	II	Wednesday	8:30-9:30	.....	Professor English
Suretyship	Childs	1 hr.	I, II	Thursday	9:30-10:30	.....	Professor Eberle
Civil Procedure	Abbott's Civil Jury Trials	1 hr.	I, II	Friday	8:30-9:30	.....	Professor Grimm
Wills, Administration and Est.	Woerner's Law of Decedents' Estates	1 hr.	I, II	Tuesday	.....	4:00-5:00	Professor Conran
Insurance	Vance	1 hr.	II	Friday	.....	4:00-5:00	Professor Boisaubin
Trusts	Kennison, Cases	1 hr.	I, II	Wednesday	9:30-10:30	.....	Professor Dyer
*Patent Law	Lectures	1 hr.	II	Saturday	9:30-10:30	.....	Professor Bakewell
Federal Proced.	Babbitt's Thayer (2nd Edit.)	1 hr.	II	Thursday	8:30-9:30	.....	Professor Haid
Legal Ethics	Lectures	1 hr.	II	Saturday	9:30-10:30	.....	Professor Bakewell
Extraord. Legal Remedies	Cases	1 hr.	I	Thursday	8:30-9:30	.....	Professor Jones
Public Service Corporations	Burdick, Cases	1 hr.	I	Wednesday	8:30-9:30	.....	Professor English
Equity Pleading	Rush	1 hr.	II	Saturday	8:30-9:30	.....	Professor Eberle
Practice Court	.....	2 hrs.	I, II	Saturday	.....	7:30	Professor Dolan

\* Occasional Lectures.

# POST-GRADUATE YEAR

Courses	Text, Case-Book, Author, or Method	Hours per week	Semester	Class Days	Hours of Class P. M.	Professor, Lecturer, Instructor
Civil Practice	Lectures	1 hr.	I	Wednesday	7:30-8:30	Professor Barth
Legal Sociology	Lectures	1 hr.	I, II	Friday	7:30-8:30	Professor Muntsch
Roman Law	Sherman	1 hr.	I	Friday	8:30-9:30	Professor Lilly
English Constitutional Law	Bowyers' Constit. Law of England	1 hr.	I	Wednesday	8:30-9:30	Professor Dolan
Legal Medicine	Stewart	1 hr.	II	Friday	8:30-9:30	Professor Neumann
Corporations	Missouri Practice	1 hr.	II	Wednesday	7:30-8:30	Professor English
Probate Practice	Missouri Practice	1 hr.	II	Wednesday	8:30-9:30	Professor Eberle

**PROGRAM**  
**OF**  
**FOUR-YEAR NIGHT SCHOOL**  
**SEPTEMBER, 1921-22.**



# THE FOUR YEAR NIGHT SCHOOL—FRESHMAN YEAR.

Courses	Text, Case-Book, Author or Method	Hours per week	Semester	Class Day	Class Hour	Professor
Elementary Law	Robinson (New Enlarged Edition)	1 hr.	I	Monday	7:30-8:30	Professor Eberle
Torts	Cooley on Torts (Student's Edition)	1 hr.	I, II	Monday	8:30-9:30	Professor English
Criminal Law and Procedure	Clark and Marshall; Knowlton's Cases	1 hr.	I, II	Wednesday	8:30-9:30	Professor Bishop
Agency	Tiffany; Mechem's Cases	1 hr.	I, II	Wednesday	7:30-8:30	Professor Dolan
Domes. Relations	Long	1 hr.	I	Friday	8:30-9:30	Professor Dolan
Contracts	Lawson; Cases	1 hr.	I, II	Friday	7:30-8:30	Professor Eberle
Bailments	Goddard	1 hr.	II	Friday	8:30-9:30	Professor Dolan
Personal Property	Childs	1 hr.	II	Monday	7:30-8:30	Professor Fabick
Practice Court		2 hrs.	I, II	Saturday	7:30	Professor Dolan

# THE FOUR YEAR NIGHT SCHOOL—SOPHOMORE YEAR.

Courses	Text, Case-Book, Author or Method	Hours per week	Semester	Class Day	Class Hour	Professor
Common L. Plead.	McKelvey	1 hr.	I, II	Monday	7:30-8:30	Professor English
Real Property	Tiffany on Real Property	2 hrs.	I, II	Mon. and Wed.	8:30-9:30	Professor Robbins
Legal Bibliography	Lectures	1 hr.	II	Friday	8:30-9:30	.....
Sales	Burdick	1 hr.	I, II	Friday	7:30-8:30	Professor Neumann
Bills and Notes	Ogden	1 hr.	I, II	Wednesday	7:30-8:30	Professor Mulvihill
Damages	Bauer	1 hr.	I	Friday	8:30-9:30	Professor Eagleton
Practice Court		2 hrs.	I, II	Saturday	7:30	Professor Dolan

# THE FOUR YEAR NIGHT SCHOOL—JUNIOR YEAR.

Courses	Text, Case-Book, Author or Method	Hours per week	Semes- ter	Class Day	Class Hour	Professor
Quasi-Contracts	Woodward	1 hr.	II	Wednesday	7:30-8:30	Professor Lashly
Equity	Pomeroy's Equity (Student's Edition)	2 hrs.	I, II	Monday Wednesday	7:30-8:30 8:30-9:30	Professor Barth
Code Pleading	Phillips on Code Pleading	1 hr.	I, II	Friday	7:30-8:30	Professor Pearcy
Evidence	Jones on Evidence; Wigmore's Cases	1 hr.	I, II	Friday	8:30-9:30	Professor Claiborne
Partnership	Mechem's Elements and Cases	1 hr.	I	Wednesday	7:30-8:30	Professor Grimm
Bankruptcy	Bankruptcy Act	1 hr.	I	Monday	8:30-9:30	Professor Kane
Ext. Legal Rem.	Lectures	1 hr.	II	Monday	8:30-9:30	Professor Barth
Practice Court		2 hrs.	I, II	Saturday	7:30	Professor Dolan

# THE FOUR YEAR NIGHT SCHOOL—SENIOR YEAR.

Courses	Text, Case-Book, Author or Method	Hours per week	Semes- ter	Class Day	Class Hour	Professor
Constitutional L.	Black; Boyd's Cases	1 hr.	I, II	Friday	7:30-8:30	Professor McDonald
Suretyship	Childs	1 hr.	I	Monday	8:30-9:30	Professor Barth
Wills and Administrations	Woerner's Law of Decedents' Estates	1 hr.	I	Wednesday	8:30-9:30	Professor Cannon
Corporations	Clark (Third Edition)	1 hr.	I, II	Wednesday	7:30-8:30	Professor English
Conflict of Laws	Minor	1 hr.	I, II	Monday	7:30-8:30	Professor Robbins
Legal Ethics	Lectures	1 hr.	II	Friday	8:30-9:30	Professor Bakewell
Fed. Procedure	Thayer (Second Edition)	1 hr.	II	Wednesday	7:30-8:30	Professor Barth
Insurance	Vance	1 hr.	I	Friday	8:30-9:30	Professor Chapman
Practice Court		2 hrs.	I, II	Saturday	7:30	Professor Dolan



### Examinations

1. All examinations are to be submitted in writing.
2. The members of all classes will be given examinations on all subjects in their respective years, at the conclusion of each subject.
3. Besides the prescribed studies of the regular courses, students will also be given examinations in (1) elective courses, (2) in optional studies, if any were prescribed.
4. All students, unless excused by the Dean, must present themselves for examination in all the subjects for which they are registered, at the first examination held therein; and in case of excuse from any examination, such students must take the examination when the reason for the excuse has ceased.
5. No student will be permitted to take an examination in a subject for which he is not registered, and no special examinations will be given except by permission of the Dean.
6. Unexcused absence from more than 20% of the classes in any one subject will render the student ineligible for examination in said subject, unless he repeat the course therein.
7. No student will be admitted to the second or third year if he has any conditions against him, and no student will be permitted to graduate until he has removed all his conditions.
8. If a student of the first or second year class fail in one examination he will be granted a second examination, provided he present himself for such an examination before the beginning of the following term. A fee of \$3.00 will be charged for said examination. If he fail in such second examination he will be allowed to repeat the course on that subject and thereafter take one more examination, and if he fail in such third examination he shall be required to withdraw from the school.

If any student fail in three or more subjects he shall be required to repeat the course of studies for that year in full.

If a candidate for graduation fail in any examination held during the first semester of the last year, he shall be allowed a second examination, provided he make application for re-examination to the Dean within three months after the date of such failure, and if he fail in such second examination he shall be permitted to repeat the course in the following year.

If a candidate for graduation fail in any examination of the second semester, he shall not be permitted to graduate, but shall be allowed to repeat the course in either of the following two years, provided he make application to, and receive permission from the Dean, for such privilege, at least ten days before the opening of the school year, and meets the requirements of the Institute.

9. The Faculty reserves to itself the right to dismiss from the school at any time, or to strike off the list of candidates for the degree, any student whom it may deem unworthy, either on account of his neglect of study, his incapacity for the law, or for any grave defect of conduct or character.

### Thesis

Every candidate for a degree or general certificate shall be required to write a thesis upon an assigned topic of the law, in conformity with the following regulations:

1. The thesis must present an intelligent comparison and a learned discussion of English and American cases, carefully selected and logically treated, and must not be a mere collection of excerpts from standard treatises.

2. The thesis must be produced from an independent investigation of the selected cases, must manifest originality of thought and treatment, and must represent the unaided work of the student.

3. The thesis must be prefaced by a statement of the position contended for and contain an analytical outline of its contents. It should also contain an alphabetical list of cases cited with reference to the page of the thesis whereon cited. Cases must be cited by name of volume with the date of the decision added.

4. The thesis shall not contain less than 2,000 words, nor more than such number of words as may be determined by the Thesis Committee to be advisable for the proper treatment of the subject selected, the announcement of this maximum to be made at the time of the announcement of the subject. The thesis must be presented to the Registrar not later than April 15th of the year in which the degree is to be granted.

5. The Thesis Committee shall have power to reject any thesis which in the opinion of the committee does not measure up to the proper standard as based upon a percentage of  $66\frac{2}{3}$ , and a failure to attain such percentage shall have the same effect as a failure to pass an examination in any subject in the last semester of the Senior year.

### Prizes

The Law School Alumni Association offers an annual prize of one hundred dollars in gold for the three best theses written under conditions above specified, to be divided as follows: fifty dollars to the first; thirty-five dollars to the second, and fifteen dollars to the third. Competition for these prizes is open to members of the graduating class, under such conditions and regulations as shall be prescribed by the Institute. The subject of the thesis will be announced not later than December 15, 1922.

Little Brown & Co., law book publishers, offer an annual prize of a set of Anglo-American Legal Essays to the member of the graduating class making the highest general average in his Senior year.

## **Work Leading to the Degree of Bachelor of Laws (LL. B.)**

### **I. For Regular Students**

1. Every candidate for the degree of Bachelor of Laws must have fulfilled the entrance requirements to the Institute of Law.

2. Every candidate must be of good character, and he must have attained the age of twenty-one years at the time he receives his degree.

3. Every regular student who has made the full course of undergraduate studies, and has performed all the required exercises of the practice court, and has passed his annual examinations with satisfaction, will be admitted to the degree of Bachelor of Laws.

4. Any regular student who has not complied with the requirements for graduation at the end of his course may apply for his degree any time within two years thereafter, when such requirements have been met.

### **II. For Advanced Students**

1. Students admitted to advanced standing are entitled to the same privileges as regular students, and graduate on the same conditions as regular students, except as follows:

2. They must be in regular attendance at the school one, two or three years, according to the grade of the class which they entered.

3. Advanced students of the Senior year must present two years' complete work in some approved law school, in order to graduate in one year.

## **Requirements for Admission to the Degree of Master of Laws (LL. M.)**

For the benefit of those students who wish to pursue their legal studies further than they are able to do in the



undergraduate years, a graduate course is offered, leading to the degree of Master of Laws (LL. M.)

The courses of lectures offered in this year of post-graduate work are as follows:

Civil Practice.

Roman Civil Law.

Legal Sociology.

English Constitutional Law.

Legal Medicine.

Corporations, Missouri Practice.

Probate Practice.

1. Every applicant for the Master's Degree must have previously obtained his degree of Bachelor of Laws from this Institution or from a law school whose requirements are substantially equivalent.

2. Every candidate for the Master's degree will be required to take all the courses prescribed.

3. Every candidate for this degree must pass a satisfactory examination in all the subjects of study prescribed in Graduate Course.

4. Every candidate for the Master's Degree must present a thesis, the subject of which shall be determined by the Dean.

### **Certificate for the Completion of the Special Course**

1. A certificate will be issued to each student in the Special courses after a satisfactory examination on the subjects upon which the candidate has specialized.

2. This certificate will set forth (1) the purpose for which the candidate specialized; (2) the subjects in detail upon which he has specialized; and (3) the degree of success with which he has pursued these studies.

### Tuition and Fees

Matriculation Fee.....	\$ 5
Graduation Fee.....	10
Tuition for Day School.....	100
Tuition for Night School .....	100
Tuition for Post-Graduate Course.....	60
Student Activities Fee.....	10
Conditional Examination Fee.....	3

1. Tuition is payable semi-annually, or in monthly installments, but in each case strictly in advance.

2. Examination Fees, money for books, etc., are all payable strictly in advance.

3. Candidates for degrees must pay all bills due from them to the Institute ten days before Commencement.

4. Special students pay the same tuition as regular students of the school they attend.

5. No student will be permitted to take examinations unless all financial obligations to the Institute have been satisfied.

6. The Student Activities Fee is for the support of Athletics and other student activities. This fee is collected at the beginning of the first semester from each student enrolled in the Institute of Law, and entitles the student to a season ticket to all football, basketball, baseball and other athletic contests, and also to a subscription to the Year Book and to the Varsity Breeze, a bi-weekly student publication.

### Books

The first cost of books needed for the course is approximately as follows:—First and second years, \$35, and the third and fourth years, \$40.

### Instruction in Other Departments of the University

Students of Law who are desirous of supplementing their legal education by courses in other departments of the

University may do so with the permission of the Dean, and under the direction of the Prefect of Studies of the University.

### **The Law Library**

The Law Library contains a large collection of text-books, monographs on law, and case-books, and a choice selection of the present leading legal periodicals.

The body of the library is made up of the U. S. Supreme Court Reports, U. S. C. C. A. Reports, N. Y. Com. Law Reports, N. Y. Chancery Reports, N. Y. Supreme Court Reports, Mass. Supr. Court Reports, N. J. Law Reports, N. J. Equity Reports, Supreme Court Reports of Missouri, Illinois, Kansas, Iowa, Colorado, Texas, Arkansas, Tennessee, Kentucky, Utah, Wisconsin, Texas Civ. App. & Crim. App. Reports, Illinois App. Reports, Mo. App. Reports, N. Y. Ct. App. Reports, L. R. A. Reports and a large collection of decisions and digests of English and American Law, National Reporter System, Century Digest, Annual Digest, Decennial Digest, U. S. Digest, Missouri Digest, Ruling Case Law, various Encyclopedias and Law Dictionaries, U. S. Statutes and Statutes of many of the States.

A number of duplicate copies of all text-books used in the course are on the shelves of the library for the use of students who desire to prepare their studies in the library. A dozen copies of all case-books used in connection with text-books have been provided for the same purpose.

The library is open daily from 8:00 a. m. to 10:00 p. m. during the academic year and during the Christmas and Easter vacations from 9 a. m. to 6 p. m.

Further facilities are afforded the Institute by the courtesy of the Law Library Association of St. Louis. It grants to the students of the Institute the free use of its extensive and delightfully situated library on the top story of the Pierce Building, 4th and Chestnut Streets.

### Other Library Facilities

The other library facilities for students who desire to keep up their reading and studies in literature, history and science, are very considerable. The Student's Library is well stocked with excellent and up-to-date works, and circulates among the students. The Young Men's Sodality library is an excellent collection of books and for a fee of \$1 a year circulates among those who are not members of the Sodality. There is a very elegant reading room attached to this library. The University library contains a very large collection of over fifty thousand volumes, and is noted for its many rare and valuable works. Besides these general libraries there are special reference libraries in the department of Theology, Medicine and Philosophy.

### Musical, Literary and Athletic Organizations

All organizations in the University are open to Students of the Institute. Among these are the University Band, Orchestra and Glee Club organizations, which afford opportunity for those who desire to keep up their music, or to cultivate their taste and talent for music and song.

The Philalethic Society, the oldest debating and literary club in St. Louis, is open to Law students and will afford them rare opportunity for the exercise and development of those faculties and accomplishments so essential to the public speaker and to the lawyer.

### The Faculty

The members of the Faculty are all lawyers engaged in the active practice of the law, with the exception of the resident Professors, who devote their time exclusively to instruction in the various classes of the Institute.

This composition of the teaching staff gives the Institute less of an academic atmosphere. It brings the student in contact, from the start in his career, with the practical and every-day life of the legal profession. Law professors who have retired from practice, or who have been students



of the law for its own sake, often sacrifice its practical to its scientific and theoretical treatment.

Practitioners, on the contrary, bring to instruction in law the experience of men who have seen how the principles of law work out in the conduct of public affairs, and in the various and complicated relations of social existence. They are consequently in a better position to correct the theory and mere science of law by experience and practice.

The staff is further composed of men whose legal education has been received in the leading law schools of the United States, and who have been invited to occupy the chairs which they fill for their high standing in the community as men and as lawyers. The student enjoys in consequence the advantage of a training which partakes in the most substantial way of the results and excellent features of the other law schools of the country. On the other hand, the responsible character of the Faculty is a certain guarantee to the public that the men who graduate under them will not simply have their memories primed with legal formulae, but will be lawyers who enter upon their professional career with Christian ideals, well disciplined minds, and that deeply moral character which is to render their lives an honor to their college and a blessing to their country.

#### Location of the Institute 3642 Lindell Boulevard

To accommodate the number of young gentlemen who desire to take a course of law at the University it was found necessary to remove the Institute from its former location to 3642 Lindell Boulevard. A building has been erected which adjoins the Philosophical building of the University. The new quarters of the Institute have all the modern improvements and are especially adapted for law school purposes. They comprise four large and commodious lecture rooms, a perfectly equipped court room, a very extensive library, reading rooms, correspondence and conference rooms and an auditorium which will accommodate an audience of one thousand.

School of Commerce  
and Finance

## School of Commerce and Finance

### Officers

REV. WILLIAM F. ROBISON, S. J.,  
President.

REV. MICHAEL J. O'CONNOR, S. J.,  
Acting President of the University.

GEORGE W. WILSON,  
Dean.

JOSEPH L. DAVIS, S. J., A. M.,  
Regent.

FRANCIS A. THORNTON, A. M., LL. B.,  
Secretary.

## **General Statement**

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### **Organization and Purpose.**

The St. Louis University School of Commerce and Finance was established in the fall of 1910 to afford that exact and scientific training which is required today for success in the higher fields of business effort. It offers an advanced course of university and professional character and aims to produce industrial engineers, resourceful organizers and managers, expert accountants, specialists in the various lines of commercial activity.

Actual experience alone is too slow and costly a process whereby to obtain the necessary training. Schools, it is true, can not take the place of experience, but they can give to their students advantages which make experience incalculably more valuable. They can supply that scientific groundwork which makes for a larger success; and they can enrich the mind with a wealth of practical suggestion drawn from the accumulated experience of others.

It is chiefly on account of the need of such instruction that schools of this character established in recent years, at the leading universities, have met with such extraordinary results; results which have been nowhere more marked than at this particular institution.

### **Great Need for Such Training Today.**

There never was a time of greater need for training along the lines here given. The problems of commercial reconstruction and development which face the world today require men well trained in economics, in organization and management, in foreign commerce, in accounting and cost work, in various lines of banking and finance. In all lines of business there is and will continue to be a constantly



increasing demand for a high order of technical commercial efficiency.

### **Faculty and Method of Instruction.**

The success of the School of Commerce and Finance has been in a great measure due to the method of instruction employed, and to the character of its faculty. In all classes the best texts obtainable are used, and these texts are taught, wherever possible, by practical business men who have been successful for years in their respective lines. Accounting is taught only by practicing accountants, investments by investment bankers and brokers, insurance by insurance men, advertising by advertising men, banking by bankers, law by practicing lawyers, etc. This method of instruction insures a thorough, practical, as well as theoretical, training. Nothing desirable of a scientific character is neglected, economics and kindred topics are taught by trained university instructors, and there are classes and societies for investigation and research; but the emphasis is at all times placed on the practical side of each study, on how to apply the knowledge acquired in the class room to the solution of the actual problems of business.

### **Course Perfected by Experience**

The course of studies, chosen originally after much thought and deliberation, has been elaborated and perfected by ten years' experience in the practical operation of the department. Methods and theories which actual use has shown to be less suitable to present day needs, have been discarded for those more progressive and effective. The curriculum now offered is the well balanced and smoothly operating course of studies made possible by continued observation and careful experiment in this field of education.

### **Entrance Requirements**

This department being strictly of university standard will admit no students except those who have had a high

school education or those whose actual experience in business will enable them to follow the courses with profit. Usually no student is admitted who is under 21 years of age. Any student who is a high school graduate, or who has received an equivalent education, may enter as a candidate for a degree.

### **Open to Women**

All courses of this department are open equally to men and women. Existing conditions have made possible for the latter opportunities in the field of business never before presented. The demand for women well trained along commercial lines is today almost universal. All the branches of our curriculum are accessible to them and presented in a manner already proven helpful and effective.

### **Degrees and Certificates**

The University will confer the degree of Bachelor of Commercial Science (B. C. S.) upon all regular students who are candidates for a degree, and who (1) shall submit a satisfactory original thesis on some economic question, and (2) shall have successfully completed a four years' schedule of classes, including all the prescribed courses, and such additional electives as will entitle them to the necessary credits.

### **Post Graduate Work**

For those who wish to carry on their work after graduation, a post-graduate course is provided, requiring one year's resident graduate work on approved subjects.

### **Certified Public Accountants**

The courses in Accountancy and Law are so arranged as to thoroughly prepare the student to pass the examina-

tion required, under the laws of the State of Missouri, for the issuance of a Certified Public Accountant's certificate.

### **Cost Accounting**

An advanced course in Cost Accounting is given for the benefit of practicing accountants; regular students may also attend this course if their standing is sufficiently advanced.

### **English and Public Speaking**

A course in English and Public Speaking is offered for graduates of the department, and for business and professional men and women generally. The classes in this course meet once a week throughout the year.

### **Foreign Language Courses**

The department offers courses in French and Spanish. The object aimed at is to give a thorough, practical knowledge of these languages to business men and women. Correct and technical commercial forms of expression are featured. These classes should prove of value to those interested in foreign trade.

### **Library Facilities**

Owing to the generous donation of friends and former students during the past years, the department now possesses an exceptionally valuable library. A large number of carefully chosen works, on general and technical subjects, affords ample facilities for the investigation of any question touching upon commerce, industry, and finance.

### **Prizes**

THE J. SHEPPARD SMITH PRIZE, donated by Mr. J. Sheppard Smith of the Mississippi Valley Trust Company, is

awarded to the Senior who attains the highest general average throughout the year.

### **Location**

The School of Commerce and Finance is situated in the south wing of the Administration Building of the University, on Grand Avenue and West Pine Boulevard. This location is equally accessible from the business and residence districts, lies at the exact geographical center of St. Louis, and can be quickly reached by street car from every part of the city.

### **Academic Year**

The academic year commences on the first Monday in October and continues until the last Friday in May. It is divided into two terms or semesters, beginning on the first Mondays of October and February, respectively.

### **Evening Sessions**

Classes are held on Monday, Wednesday and Friday evenings, beginning at 7:30 p. m.

### **Tuition and Fees**

The tuition for all regular students taking a full schedule of courses is \$100.00 a year. Special students are charged in accordance with the number and character of the subjects studied.

All tuition must be paid by the quarter, and strictly in advance. The first quarter begins on the first Monday in October, and the three subsequent quarters begin on the first day of December, February and April respectively. No student shall, in any event, be allowed to remain delinquent in the payment of a quarter's tuition later than the end of the first month of the quarter.



Ordinarily, special students are not admitted to this department. Regular students who wish to change their course may do so only at the end of a current year.

Regular students will not be allowed to reduce the number of studies which they selected at the beginning of a term.

No tuition will be refunded to any student except in case of protracted illness.

No student will be allowed to advance to a higher class, or to graduate, until all of his financial obligations to the School are satisfied.

All students are charged a matriculation fee of \$5.00, to be paid but once, for enrollment by the University.

A graduation fee of \$10.00 is charged to degree students for graduation; and one of \$3.00 to certificate students.

A fee of \$10.00 is charged for the support of student activities. This fee must be paid at the beginning of each year. It entitles a student to a season ticket to all football, basketball, and all other athletic contests, and also to a subscription to the Year Book and to the Varsity Breeze, a bi-weekly student publication.

Conditional examinations, \$2.00.

### Other Information

The University reserves at all times the right to temporarily withdraw any course in which less than ten students are enrolled.

For further information address the Secretary of the School of Commerce and Finance, St. Louis University, Grand Avenue and West Pine Boulevard, St. Louis, Mo.

During the summer months the Secretary or some other officer of the faculty may be found at the University on Monday and Friday evenings, between 7:30 and 9:00 o'clock. Catalogs sent on request.

### --- --- **HOURLY SCHEDULE OF FIRST YEAR COURSES.**

Time.	Monday	Wednesday	Friday
7:30	Economics	Contracts; Agency	Ethics
8:15	Accounting	Business Management	Accounting
9:00	Accounting	Advertising Salesmanship	Accounting

### --- --- **HOURLY SCHEDULE OF SECOND YEAR COURSES.**

Time.	Monday	Wednesday	Friday
7:30	Investments; Credits	Corporations; Partnerships	Advanced Economics
8:15	Accounting or Some Elective	Banking	Accounting or Some Elective
9:00	Accounting or Some Elective	Corporate Finance	Accounting or Some Elective

### --- --- **HOURLY SCHEDULE OF THIRD YEAR COURSES.**

Time.	Monday	Wednesday	Friday
7:30	Sales, Bailments and Carriers	Advanced Economics	Negotiable Instruments; Bankruptcy
8:15	Accounting or Some Elective	Foreign Com- merce or other elective	Accounting or Some Elective
9:00	Accounting or Some Elective	Some Elective	Accounting or Some Elective

Schedule of Fourth Year Courses will be announced later.

## Electives

### Monday—Friday.

P. M.—7:30. Business Mathematics.  
Business Statistics.

P. M.—8:15. Industrial Engineering.

P. M.—8:15. English I. English II.  
Spanish I. Spanish II.  
Applied Economics.

### Tuesday.

P. M.—7:30. Public Speaking.

### Wednesday.

P. M.—8:15. Life Insurance.

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No Elective will be offered to less than twenty-five students.

No Elective may be substituted for first year Accounting.

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## POST-GRADUATE WORK.

Post-Graduate work will be offered in Advanced Accounting, Cost Accounting, Income Tax or in any of the above elective courses.

## Requirements in Electives for Degrees

At least one year additional time is required for the B. C. S. Degree if Elective studies are substituted for regular undergraduate work.

## Description of Courses

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### Accounting

The courses in accounting are both thorough and comprehensive, familiarizing the student with the latest and most satisfactory methods. They are regular C. P. A. courses and cover the entire field of business analysis, costs, auditing, and the theory and practice of accounts. The teaching is done by chartered and certified accountants, from the leading accounting firms doing business in St. Louis.

#### **Course I. General Accounting (120 hours).**

The object of this course is to lay a solid foundation for the subsequent study of advanced and specialized accounting. To secure thoroughness as well as coherent development, Walton's graded system of General Accounting is used, supplemented by texts of other standard authors.

A series of comprehensive and carefully graded exercises and problems, simultaneous with and collateral to the lectures on the science of accounts, is given to insure the student's thorough grasp of the principles acquired and his facility in their practical application.

#### **Course II. Advanced Accounting (360 hours).**

This course includes as sub-courses all the advanced accounting courses as set forth below. The purpose of this course or group of courses is to prepare the student for the successful practice of the profession of accountancy; and is designed to fit candidates to pass the examinations set by State Boards of Accountancy.



**Course III. Corporation Accounting (60 hours).**

Corporate formation; books of account; stock accounts; capital, assets and investments; working and trading assets; deferred assets; sinking funds; bonds and debentures; current and deferred assets; reserves; depreciation of property and plant; securities and investments; organizations and reorganizations; mergers, trusts and combinations; insolvency and receivers; systematizing.

**Course IV. Cost Accounting (60 hours).**

Analysis of the sources of cost; tracing the cost from the raw materials through the processes of production to the finished product; apportioning costs; cost of labor, skilled and unskilled; cost of management and exploitation; cost units; analysis of costs to determine the relative efficiency of various departments, various aggregate or individual units; trading as distinguished from manufacturing costs; installing and operating cost systems; cost keeping according to the most satisfactory methods; comparative value of different systems of cost accounting.

**Course V. Auditing (60 hours).**

Duties and responsibilities of an auditor; scope and purpose of an audit; conduct of an audit, working papers; verifications of accounts, vouchers, etc.; the close of an audit, analytical comparison of compilations, preparation of report; various kinds of audits, as banks, trust companies, hotels, clubs, public service corporations, breweries, insurance companies, railroads, municipalities, etc.; special investigations; auditing questions.

**Course VI. Fiduciary and Investment Accounting (60 hours).**

Accounting of administrators and executors; accounting of trustees; problems of trust accounting; accounting

of guardians, curators, etc.; investment accounting; stocks, bonds and debentures; collateral, loans, interest; special problems of investment accounting.

### **Course VII—VIII. Accounting Problems (120 hours).**

These courses are designed to teach the student how to analyze the practical accounting problems which confront the student in applying the principles which he has theoretically acquired during the first year and which he has continued to amplify during the second and third years; the problems cover all the important phases of co-partnership, corporate and cost accounting as exemplified in the leading lines of business, as manufacturing, trading, real estate, contracting, railroading, banking, brokerage, etc. They constitute a double or continuous course running through the second, third and fourth years.

## **Law**

Our law courses give to the business man all the law that is of any practical value to him in his business life. The classes are taught in regular law school fashion, standard law texts are used, and all lecturers are practicing lawyers of experience.

### **Course I. Contracts and Agency (30 hours).**

The elements of a contract; parties to a contract; kinds of considerations; illegal, fraudulent and other void contracts, construction of contracts; verbal and written contracts, the Statute of Frauds; how contracts may be terminated; specific performance; breach of contract; damages.

The contract of agency; who may be agents, and how appointed; agency by ratification or estoppel; rights and duties of agents and principals in reference to each other; rights and duties of principals and agents in reference to third parties, termination of the contract of agency.

**Course II. Partnerships and Corporations (30 hours).**

Articles of co-partnership; sharing of profits and losses; rights of partners against each other; rights of creditors against firm and partners; silent and dormant partners; commercial paper of partnership; accounting; termination of the co-partnership, how effected; liquidation of assets.

Forming a corporation; stock subscriptions; the nature and contents of charter and by-laws; stockholders' and directors' meetings; the various forms of corporate stock and the rights of holders thereof; corporate elections; rights of minority stockholders; ultra vires acts; voting trusts; directors' and stockholders' liabilities; rights of creditors; dissolution.

**Course III. Sales, Bailments and Carriers (30 hours).**

The contract of sale; memoranda, immediate and future sales; time of delivery; shipment, rights and duties of consignee, consignor and carrier; stoppage and loss in transit; when the contract is closed; setting aside sales; warranties; sales by sample, by description, etc.

Nature and classification of bailments; bailments for the benefit of the bailor; bailments for the benefit of the bailee; mutual benefit bailments; innkeepers; common carriers of goods; common carriers of passengers; telegraph and telephone companies.

**Course IV. Negotiable Instruments and Bankruptcy (30 hours).**

What instruments are negotiable; bills, notes, drafts and checks; acceptance of drafts; certified checks; defenses to suits brought on negotiable paper; partnership and corporation papers; rights and liabilities of endorsers, presentment; notice of dishonor, protest.

Acts of bankruptcy; who may become bankrupts; exemptions; duties of bankrupts; compositions; discharge;

offenses against the bankruptcy law; duties of trustees and referees; creditors' meetings; proof and allowance of claims; preferred creditors; estates.

#### **Course V. Tenancy and Insurance (30 hours).**

Nature of real property; kinds of estates; fee simple estates; life estates; estate less than for life; leaseholds; rights and liabilities of landlord and tenant; the law of fixtures; conditional estates; mortgages; equitable estates; joint estates; titles; conveyancing; deeds.

Nature of the insurance contract; requisites of the insurance contract; insurable interests; premiums and assessments; concealment of fact; representations and warranties; insurance agents and their powers; rights under the policy; the standard fire policy; terms of the life policy; marine insurance; accident insurance; guaranty, credit and liability insurance.

#### **Course IV. Trade Marks, Patents and Interstate Commerce Law (30 hours).**

Trade marks, trade labels, copyrights, patents, rights and duties of holders thereof, duration and limitation of rights.

Nature and jurisdiction of the Interstate Commerce Commission, an examination of its leading decisions in regard to railway rates, common carriers, commerce regulation, accounting, publication of tariffs, etc.

### **Economics**

The courses in Economics discuss the laws and principles which underlie commercial activities and whose study constitutes the science or philosophy of business. These courses treat of the laws determining the location and development of industries, the causes of trade movements markets, prices and price fluctuations, depressions and pan-



ics and how to forecast them, and a great number of other subjects of equal interest and importance.

**Course I. Ethics (30 hours).**

Ethical foundations; the nature, freedom and responsibility of man; the final end of man; right and wrong in human actions; rights and duties; conscience; the natural law; man's threefold duties; the family; society; private property; the state.

**Course II. General Economics (30 hours).**

Production; increasing and diminishing returns; the advantages and drawbacks of modern industrial organization; locality and dimensions of industry; consumption; markets and prices; differential gains; international trade; money and coinage; credit and banking; foreign exchanges; profits, interest and wages; mistaken theories on riches; trade unions; employers' liability; taxation. This course gives a general view of the whole field of economics in preparation for the intensive courses of the two following years.

**Course III. Advanced Economics (30 hours).**

This course comprises the required economics of the second year. On account of its intensive character, each assignment demands very careful preparation on the part of the student, and affords opportunity for considerable research work. The course is divided into four parts:

1. **INDUSTRIAL ORGANIZATION:** The organization of production; the development of modern industry; labor and capital in production; transportation and the economic area; large scale production; horizontal and vertical combination; corporate organization of industry; the problems of modern industrialism.

2. **MARKETS AND PRICES:** Value and utility; the nature and operation of markets; demand and supply; mar-

ginal value; speculation; value under constant cost; value and diminishing returns; value and increasing returns; monopoly value; joint cost and joint demand.

3. **THE PRINCIPLES OF FINANCE:** The precious metals; functions of money; the quantity of money and prices; the cost of specie in relation to its value; bimetallism; changes in prices; government paper money; banking and the medium of exchange; centralized and decentralized banking systems; crises and industrial depressions; financial panics; some monetary problems.

4. **INTERNATIONAL TRADE:** The mechanism of international trade; foreign exchange; the balance of international payments; the theory of international trade; the relative merits of protection and free trade.

#### **Course IV. Economic Resources (15 hours).**

The importance and geographical distribution of the raw materials of commerce—food products, skins and leathers, textile materials, fibres, oils, woods, gums and resin, drugs, dye-stuffs, minerals and building materials; the chief sources of supply, and how they have been influenced by the growth of modern transportation facilities; development of mineral resources; conserving resources; problems arising from concentrated population.

The influence of natural resources on the growth of industry and the development of trade; the location and concentration of industry; the geographical division of industry; industrial conditions and trade movements.

#### **Course V. Transportation (15 hours).**

The economics of transportation; its influence on commercial and industrial development; ocean transportation; harbors and seaports; export and import charges and duties; inland waterways and transportation; railroads; passenger traffic; freight traffic; classifications, rates and tar-

iffs; traffic policies; state and federal regulations; transportation problems. The value of this course will be largely enhanced by introducing a number of lectures by prominent railroad officials, who will supplement economic theory with suggestions drawn from everyday experience.

### **Course VI. Advanced Economics (30 hours).**

This course is a continuation of Economics III, and is divided into three parts:

1. **THE DISTRIBUTION OF WEALTH:** Interest on capital used in production; over-productin and over-investment; rural rents and land tenures; urban site rent; monopoly gains; wages and value; differences in wages; stratification; business profits; population; inequality and its causes.

2. **CURRENT ECONOMIC PROBLEMS:** Problems of labor; trade unions; labor legislation; agencies for industrial peace; workmen's insurance; co-operation; railway problems; public ownership and public control; combinations and trusts; socialism.

3. **TAXATION:** Principles underlying taxation; income and inheritance taxes; taxes on land and buildings; general property tax; taxes on commodities.

**FIELD WORK:** In connection with Economics III and VI field work is done by the students, especially in the study of Industrial Organization and Current Economic Problems. The many industrial and financial enterprises of St. Louis furnish excellent facilities for economic examination and analysis. Special research work, under the direction of the professor, is also insisted on.

### **Course VII. The Monetary Systems of Europe (30 hours).**

The Bank of England and the English Banking System; the Reichsbank; the German Imperial banking laws; evolution of credit and banks in France; the Bank of France; a

comparison of the fiscal systems of England, France and Germany; the relation of the Bank of France to National and International credit; the discount systems of Europe; the National Bank of Belgium; the Swiss banking laws; the Swedish Banking System; statistics.

### **Course VIII. Political Science (30 hours).**

The ethical basis of political science; the theory of government; analysis of the functions of government; governments of Greece; the government of Rome; Roman and canon law; ecclesiastical government; government during the middle ages; feudalism; types of modern governments; the government of France; the government of Germany; the government of Switzerland; the dual government of Norway-Sweden; the government of Great Britain; the government of the United States; special governmental problems.

### **Business Administration**

Some of the courses in business administration teach scientific organization and management; others aim at making the student a technical expert in such special line of work as he may choose to follow. These courses are all taught by successful business men, who endeavor to give to the student the information that they have acquired from the experience of many years.

### **Course I. Business Organization and Management (30 hours).**

This course consists of a scientific examination of the principles underlying the successful conduct of business enterprises; and aims to impart to the student in a systematic manner the latest, most approved and most efficient plans of organization and management. The value of the course



is intensified by the fact that it is largely given by men who are actively engaged in the management of successful commercial, industrial and financial institutions. This course will be more fully developed during the ensuing year and a complete outline of its subject matter will be announced later.

### **Course II. Credit Management (15 hours).**

The basis for the legitimate extension of credit; the credit department of a wholesale house, and its equipment; gathering credit information; the mercantile agency; the credit department of a modern department store; collections and collection methods; the financial statement and its analysis; analysis of credit information in general; credit correspondence; banking credits; the legal equipment of the credit manager; bankruptcy and insolvency; liquidation of insolvent estates.

### **Course III. Investments (30 hours).**

Nature, method and laws of investment; government, state, county and municipal bonds; stocks and bonds of public service companies; stocks and bonds of industrial corporations; railroad stocks and bonds; fluctuation; stock markets; the relation of speculation to investment; the nature and progress of speculation; mortgages; real estate values and investments.

### **Course IV. Advertising (15 hours).**

Attracting and holding attention; grouping and arrangement; paper, type and illustration; display advertisements and reading notices; newspaper and magazine advertisements; direct publicity; advertising campaigns; bulletins, signs, and posters; window displays; wholesale and retail advertising; department store advertising; catalogues and mail order advertising; reaching the desired customer;

relative value of different media; advertising agencies; advertising problems.

**Course V. Salesmanship (15 hours).**

Personal qualifications, tact, address, personal magnetism; acquiring a thorough knowledge of the goods to be sold; studying the customer; the approach; the demonstration; effectiveness in presenting arguments; closing the sale; increasing the order; developing new trade; written salesmanship; personal letters; follow-up letters; organizing a selling force; selling campaigns; selling policies; new and practical selling plans; the ethics of salesmanship.

**Course VI. Corporation Finance (30 hours).**

Corporation stock; the sources of corporate funds; short time loans; the corporate mortgage; types of corporate bonds; corporate promotion; new enterprises; consolidations; selling securities; underwriting syndicates; investment of capital funds; disposition of gross earnings; betterment expenses; the corporate surplus; corporate manipulations; insolvency and receiverships; re-organizations.

**Course VII. Practical Banking and Finance (30 hours).**

A thorough and practical exposition of the principles of finance and banking; nature and value of money; credit; domestic and foreign exchange; relation of money and credit to prices and the rate of interest; commodity or metal money; monometallism vs. bimetallism; fiat money; credit money; the money of the United States; current monetary questions.

The nature and importance of banking operations; the bank clerk; the paying teller and his cash; the receiving teller and the depositors; the collection department; the discount clerk and his duties; the bank's collaterals; bonds

and coupons; the cashier and his duties; the stock, its ownership and transfer; the bank's circulation; foreign exchange and letters of credit; checks; notes and drafts; the president and directors; board meetings; management; the clearing house system; trust companies.

### **Course VIII. Insurance (30 hours).**

The nature of the insurance contract; relations between company and insured; the main type of insurance organizations; the New York standard and other policies; forms and clauses, including co-insurance, mortgage, percentage value, etc.; insurance procedure; insurance accounting; loss adjustments; rating methods and special schedules; inspection methods; other forms of insurance.

The life policy; net and office premiums; mortality tables; level premium reserves; general policy provisions; special policy provisions, distribution of surplus as dividends; modes of settlement; procedure and routine of the life insurance business.

### **Course IX. Real Estate (15 hours).**

This course consists of an exposition of the more important underlying principles which control the successful operation of the real estate business; it includes such matters as: estate management; rent collections; real estate sales; real estate loans; shifting of real estate values; mortgages; conveyancing; title examination; insurance; real estate advertising, etc.

### **Course X. Office Management (15 hours).**

Laying out floor space; hiring employees; building an organization; schemes of supervision; daily and weekly records; merit systems; overtime; office libraries; petty stealing; departmental records; office appliances; order systems; social organizations, etc.

**Course XI. Foreign and Domestic Commerce (30 hours.**

Domestic trade conditions, trade movements, mining, crop conditions, manufacturing, centers of distribution, the money market.

Foreign trade conditions, foreign markets, exporting details, correspondence, export commission houses, export orders, preparing and making shipments, marine insurance, financing foreign business, foreign exchange.

**Special courses in Economics and Business Administration will be given in the fourth year and will be announced later**



## Commercial Languages

### **Course I. Commercial Spanish (120 hours).**

This course is of particular value owing to the constantly increasing volume of trade between St. Louis and the Latin-American countries; necessitating the employment, by many of the large jobbers and manufacturers, of secretaries, stenographers, salesmen, etc., capable of handling Spanish correspondence and business. It aims at imparting to the student, as rapidly as is consistent with thoroughness, an easy and exact command of the language sufficient for all commercial purposes.

### **Course II. Commercial French (120 hours).**

This course is similar in scope and method to that in Spanish described above.

### **Course III. English and Public Speaking (30 hours).**

Thought development; division and arrangement; oratorical composition; argumentative, expository and demonstrative speeches; after-dinner talks; the practical business talks; extempore talks.

Enunciation and inflection; tone development; distinctness, power and pathos; power and grace of gesticulation.

### **Course IV. Commercial English (30 hours).**

A thoroughly practical course in business writing and correspondence.

This course is designed primarily for those who are lacking in the technical language of business; though it is open to any student. The class meets once each week.

## Student Organizations

### The Economic Club

The Economic Club, an association of graduates of the department, meets once a month in the Library of the School for the discussion of current economic and industrial problems.

The present roster of the club is as follows:

F. R. HAUSMANN,	OSCAR G. ROEDER,
President.	Second Vice-President.
FRANCIS G. BURGESS,	EDGAR L. ROY
First Vice-President.	Secretary-Treasurer.
H. C. Appelbaum	John T. McDonald
J. P. Barrett	Albert F. Macy
A. J. Boka	George F. Mason
C. L. Bothwell	A. C. Meyer
M. W. Brennan	E. F. J. Meyer
R. B. Brundrett	G. F. Meyer
Thomas F. Bryant	Walter M. Meyer
Francis G. Burgess	Charles H. Murdoch
Joseph F. Coerver	Robert D. McClure
Richard L. Daly	Jos. A. Neumann
Chas. F. Dietrich	John M. Neumayer
Raymond J. Duffy	Richard R. Pechmann
George Dintelmann	W. P. Quinn
Henry A. Duerfahrd	William J. Regan
Jos. H. Fischer	Fred W. Riess
R. C. Fischer	Walter A. Robertson
George M. Flint	Edgar L. Roy
Robert E. Furlong	Oscar G. Roeder
F. R. Hausmann	O. A. Rowland
C. E. Halpin	H. C. Rueppel
J. J. Halpin	Morris-B. Seligsöhn
Dudley Hewette	E. C. Schlueter
Edw. F. Herold	Fred I. Schnakenberg
H. A. Izard	James C. Scott
H. C. Izard	Victor F. Stempf
A. C. Johanningmeier	Martin Thal
W. A. Kindorf	E. O. Wallace
Gustave K. Klausner	Harry Weber
Paul Knirr	Joseph J. Welsch
Clyde F. Lytton	Joseph P. Whyte

**CLASS REPRESENTATIVES**

SENIOR: M. T. Hennessy.  
JUNIOR: Edgar F. Meinhardt.  
FRESHMAN: Adrian Klein.

**CONCLAVE REPRESENTATIVES.**

E. L. Hein.  
Earl Froning.  
M. A. Stuppy.  
Edgar F. Meinhardt.  
Wilfred J. Boos.

**SPECIAL REPRESENTATIVES.**

Lee J. Muren.  
Edward J. Muren.  
John C. Schiermann.  
Paul E. Weeke  
Carl Schulte

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**Endowment Fund Committee**

John I. Wheeler, '13, Chairman

Gustave K. Klausner, '13	Oscar G. Roeder, '18
J. J. Welsch, '16	H. C. Appelbaum, '18
Bernard M. Murphy, '19	Clifford Halpin, '18
Jos. A. Neumann, '13	Raymond J. Duffy, '19
Arthur C. Meyers, '13	John M. Neumayer, '19
F. R. Hausmann, '14	Alex. J. Boka, '19
Jos. P. Whyte, '14	Robert E. Furlong, '19
Victor H. Stempf, '15	G. V. Keller, '20
George Dintleman, '16	Angela F. Van Iseghem, '20
Hord Hardin, '17	A. A. Hillner, '20
J. W. White, '17	J. D. Halloran, '20
H. C. Mayer, '17	W. C. Gschwend, '20
Edgar L. Roy, '18	

# School of Divinity



## School of Divinity

### Officers

REV. WILLIAM F. ROBISON, S. J.,  
President.

REV. MICHAEL J. O'CONNOR, S. J., A. M.,  
Acting President of the University.

REV. JAMES I. SHANNON, S. J., A. M.,  
Regent.

REV. FRANCIS J. O'BOYLE, S. J., A. M.,  
Dean.

REV. LINUS A. LILLY, S. J., A. M., LL. B.,  
Vice-Dean.

REV. WILLIAM B. ROGERS, S. J., A. M.,  
Spiritual Director.

## Departments

The School of Divinity is divided into four departments or sections, each of which embraces those groups of studies which are closely related.

In the first, or Dogmatic Section, are included Dogmatic Theology, strictly so-called; and Fundamental Theology, or General Apologetics.

In the second, the Moral Section, are included Moral Theology, Canon Law and Liturgy.

In the third, the Biblical Section, are included the History of Revelation, Special Introduction to Sacred Scriptures, Exegesis and Oriental Languages.

The fourth, the Historical Section, deals with the History of the Church, its Councils, Institutions and Dogmas.

To these are added the studies of Sacred Eloquence and Ecclesiastical Music.

## Method

The course is entirely by lecture, supplemented by regular and frequent repetitions in the accurate scholastic form. The examinations are oral. Lectures and examinations are in Latin.

## Outline of Courses

### Department I.—Dogmatic Theology

#### Course I.—General Apologetics

Four lectures a week. Seminar, two hours a week. Two Semesters.

#### Revelation

**Revelation.** Possibility of Divine Revelation. Necessity of Supernatural Revelation. Distinctive marks by which a true Revelation may be recognized. Miracles and Prophecies, certain signs of the Divinity of a Revelation. Other criteria.

**Christian Revelation.** The Four Gospels and the Acts of the Apostles, authentic historic documents. Jesus of Nazareth proves His Divine Mission by the miracles and prophecies narrated in the Four Gospels, especially by His Resurrection from the dead. The spread of the Christian Religion, historically viewed, is an incontrovertible evidence of its divinity. Other proofs. Religious Experience. Messianic Prophecies.

#### Faith

**Its Nature.** An act of supernatural faith is an intellectual assent given under the impulse of the will to revealed truth because of the authority of God revealing it.

**Material Object.** Faith must extend explicitly or implicitly to all truths revealed by God, and to those only. What is implicitly, but formally, revealed, is the object of faith; not, however, what is only virtually revealed.

**Evolution.** Revelation closed with the Apostles. There neither was nor will be further divine revelation obligatory

on all men. There is an evolution in the manifestation of the material object of faith. This evolution consists in proposing explicitly, clearly, more urgently, truths contained in the word of God as originally intrusted to the Apostles and preached by them, though only implicitly, more or less obscurely, less insistently.

**Prerequisite to An Act of Faith.** Certain knowledge of God's wisdom and truthfulness and of His revelation is required that our faith may be a rational act. Character of this knowledge in the learned and the unlearned. Manner of acquiring it.

**Analysis of the Act of Faith.** Being a mediate assent to the revealed truth because of our assent to God's authority revealing it, an act of faith is a virtually discursive act. Difficulty of explaining the psychological nature of the assent with which in the act of faith itself we affirm God's authority and revelation. The various explanations considered.

**Properties.** An act of supernatural divine faith is by its very nature obscure. This obscurity does not make it impossible for one to have scientific knowledge and faith with regard to the same truth.

It is also certain. This certitude in a true sense surpasses all natural certitudes.

It is essentially true, and also immediately free in as far as it is elicited only under the impulse of a free act of the will.

It must be universal; a deliberate doubt or denial of a single article of faith renders supernatural divine faith in any other article impossible.

Without actual faith in God's existence and in His being our Remunerator in the supernatural order, salvation is impossible for adults. Other truths which must necessarily be believed explicitly as a matter of precept.



## Holy Scripture

**General Introduction.** History of the Canon of the Sacred Books. History and authority of texts and versions. The authority of the Latin Vulgate. Principle and history of biblical hermeneutics.

**Inspiration.** The Inspiration of the whole of Scripture and the Canon of the Sacred Books can be known with certainty only through the infallible teaching of Christ's Church. Nature of Inspiration. False views. True explanation. God the principal Author of the Sacred Books and of all their parts. Nature of God's action on the mind and will of the sacred writer. Extent of Inspiration. The Church the only infallible interpreter of the inspired word.

## Course II.—General Apologetics

Four lectures a week. Seminar, two hours a week. Two Semesters.

## The Church

**Institution of the Church.** Preliminary notions. The Church founded directly by Christ. The Church, a perfect society. The proximate and ultimate ends of the Church. The Church, a Monarchy. Church and State. Members of the Church.

**Marks of the Church.** The Church, a visible organization, consisting of a body and soul. There is but one true Church of Christ. Unity, Sanctity, Catholicity, and Apostolicity, marks of the true Church of Christ. The Roman Catholic Church possesses these marks. No other Christian denomination has these marks. The Church is infallible. The infallible teaching of the Church extends to all matters pertaining to Faith and Morals. Scripture and Tradition, the two sources of the Church's teaching.

**Supreme Head of the Church.** St. Peter, constituted by Christ the Supreme Head of the Church. The Primacy of

St. Peter in the Church will endure forever. The Pope is the Successor of St. Peter as Bishop of Rome and in the Primacy over the whole Church. The Pope's Primacy, by Christ's institution, is a true power of jurisdiction, ordinary, immediate, comprising the fullness of the spiritual powers over all the members of the Church. Oecumenical Councils. The Pope Infallible when teaching "ex cathedra" i. e., as Universal Teacher of the Church in matters appertaining to Faith and Morals.

### Tradition

**Tradition.** Definition. It is one of the two sources of revelation. Force of the unanimous consent of the Fathers in matters of faith and morals. The Fathers as private Doctors. Consent of Theologians. Authority of St. Thomas. The belief of the faithful. Human reason in Theology.

### Course III.—The Triune God

Four lectures a week. Seminar, two hours a week. Two Semesters.

#### The One God

**Existence of God.** God knowable to man through creatures. Defined by the Vatican Council. Proved from the Sacred Writings and the Fathers.

**Scientific Demonstration of this Truth.** The various metaphysical, physical, and moral a posteriori arguments. God not knowable naturally, except through creatures.

**Essence of God.** A pure spirit of infinite perfection. Physical essence. Metaphysical essence. His self-existence expressed by His name—"I AM."

**Attributes of God.** His Unicity, Simplicity, Immensity, Immutability, Eternity, Omnipotence, Invisibility, Incomprehensibility. Distinction of God's Attributes from one another, and from His essence.

**God's Knowledge.** Principal and formal object of Divine Understanding. Secondary and material objects.

**God's Will.** His antecedent and consequent will; absolute and conditional will; efficacious and inefficacious will.

**Liberty of God's will.** How harmonized with His immutability.

**Providence of God.** Natural; embraces all creatures. Supernatural. God's sincere will of man's salvation. How modified by free created agents.

**Predestination.** Its existence and properties. Though certain and immutable in itself, it is naturally uncertain to man; wholly gratuitous as regards the First Grace; merited as regards Eternal Glory. Various effects of Predestination. Reprobation, the fault of man.

### **The Trinity**

**Existence of this Mystery.** There are Three Persons in God. Their consubstantiality. Hence each Person is truly God. The various elements of this mystery clearly contained in numerous texts of Holy Scripture.

**Knowledge of this Mystery.** How far revealed and known in the Old Testament. The Trinity and especially the consubstantiality of the Three Divine Persons in the writings of the Ante-Nicene Fathers. The Trinity and reason.

### **Nature of This Mystery**

**Processions in God.** There are only two. Principles of these processions. Difference between these processions, as manifested in the Sacred Writings. The Holy Ghost proceeds from the Father and the Son, who are one principle of procession.

**Relations in God.** Their existence, number, nature. How they constitute the Persons.

**The Divine Persons.** Their equality. Their in-existence, one in the others. Appropriation of works and attributes to one Person.

**Course IV.—Sin. The Incarnation**

Four lectures a week. Seminar, two hours a week. Two Semesters.

**Sin in General**

**Nature of Sin.** Sin, a moral act at variance with the dictates of reason. Every sin an offense against God. Inequality of sins.

**Cause and Effect of Sin.** God not the cause or author of sin. The guilt of sin distinct from its liability to punishment.

**Personal Sin.** The existence of venial sin proved from Holy Writ. Difference between mortal and venial sin, intrinsic to the sin and derived from the gravity of the obligation violated. Habitual sin consists in the guilt of actual sin morally persevering.

**The Incarnation**

**Existence of this Mystery.** The divinity of Christ proved from the Old and the New Testament.

**Nature of this Mystery.** The Word Incarnate, as One Physical Person; according to the Doctrine of the Church against Nestorius. Two perfect natures in Christ, against the Monophysite heresy. Two Wills and Two Operations in Christ, as defined against Monothelitism.

**Causes of the Incarnation.** Essence of the Hypostatic Union. The Hypostatic Union supernatural; ranks above all other unions, natural and supernatural. Its perpetuity and extent.

The Person of the Word alone assumes human nature. The whole Trinity the efficient cause of the Incarnation. The Redemption of man from sin its final cause. The interchange of the predicates of the Divine and Human Nature in Christ.



**Perfection of the Soul of Christ.** The beatific vision. Infused and acquired knowledge. The Freedom and Impeccability of His Will. The Soul of Christ holy by the Increased Sanctity of the Word and by the plenitude of sanctifying grace.

**Attributes of the God-Man.** The Divine Sonship of the Logos the only true sonship of Christ, excluding adoption and human sonship. Christ's Kingship and Priesthood.

**The Atonement.** The Hypostatic Union necessary if God wished adequate satisfaction for sin. Christ truly atoned for sin. Christ died for all men.

**The Worship Due to Christ.** The Man Christ an object of Divine worship. Adoration of the Sacred Heart of Jesus.

Veneration of Relics and Sacred images. The Invocation of Saints.

### **Course V.—God, as the Author of Nature and of the Supernatural**

Four lectures a week. Seminar, two hours a week. Two Semesters.

#### **God, as the Author of Nature**

**Creation in General.** Notion of creation. Various definitions. Formal object of creation. Nature of the creative act. Fact of the World's creation known through revelation. Reason's verdict on this fact.

The three Divine Persons create, but there is One Creator. Appropriation of creation to the Father. Creation, as exclusively proper to God. God is also the exemplary and final cause of creation. God's extrinsic glory the end of creation.

Mode and order of the world's formation. The Mosaic Cosmogony. Various interpretations. Science and the Mosaic Narration.

**The Angels.** Their existence certain. Each was immediately created by God in time. Their nature, number and hierarchy; supernatural endowment; relation to men. The Fallen Angels.

**Man.** The Bodies of our first parents were immediately fashioned by God. Evolution of the body of man from lower animals seems to be contrary to revelation. No scientific proof has been advanced to establish such an evolution. Each human Soul is created by God at the moment of its infusion into the body. There are two constituent elements in man, a body and a spiritual soul. Age of the human race.

### God, as the Author of the Supernatural

**The Supernatural Order.** Various meanings of the word Nature. Preternatural and supernatural gifts.

**Man in the State of Original Justice.** Our first parents were not only made the children of God by the infusion of sanctifying grace, but they were favored with other marvelous gifts. Connection of these preternatural gifts with supernatural grace. All these gifts were absolutely gratuitous, as was also man's destination to supernatural beatitude in heaven.

**Original Sin.** It is transmitted to every human being that comes into the world by way of natural generation, the Blessed Virgin Mary alone excepted, who was preserved from its stain by the merits of Jesus Christ. Nature of this sin. How voluntary in us. Its effects in this life, in the next. It in nowise conflicts with the justice or wisdom or goodness of God.

### De Novissimis

**The Beatific Vision.** Essentially the same for all the Blessed, but unequal in degree according to the merits of each. It is not deferred till the Day of Judgment. By its

very nature it excludes the possibility of sin in the Blessed and is eternal.

**Existence of Hell.** Teaching of the Church. Athanasian Creed. Fourth Council of Lateran. Constitution of Benedict XII. Scripture, Fathers, Reason.

Nature of the Punishment. Eternity. Pain of Sense.

**Purgatory.** Its existence. Certainty of Salvation of souls suffering in Purgatory.

**Resurrection of the Body.** Catholic Dogma. Specific and numerical identity of the body. Modern Rationalists answered.

**Judgment.** Particular Errors of Nestorius, Calvin. Time and place. Universality. Chiliasm. Millennium.

#### **Course VI.—Grace. The Infused Virtues**

Four lectures a week. Seminar, two hours a week. Two Semesters.

#### **Preliminary Notions and Truths**

General concept of Grace. Its main division: Natural and Supernatural, Uncreated and Created, Grace of God and Grace of Christ, External and Internal, Gratuitous and Ingratiating, Habitual and Actual.

Salutary acts are entitatively supernatural. Liberty of the will. This liberty was not destroyed by Original Sin. It is necessary for merit.

#### **Actual Grace**

**Divisions.** Awakening grace, Helping grace: Sufficient grace, Efficacious grace: Healing grace, Elevating grace.

**Nature of Actual Grace.** It formally consists in indeliberate acts of the intellect and will immediately and super-

naturally caused by God. Intrinsic and extrinsic elevation. Nature of the action of grace and of the faculties in producing the supernatural act.

**Necessity of Grace.** Grace is necessary for every salutary act: also for the Beginnings of Faith and Salvation. Special supernatural aid is necessary for perseverance. What man may know and do in the moral order without grace. Heresy of the Pelagians, of the Semi-Pelagians. Similiar errors of modern Rationalists.

**Grace and Free Will.** Man's will remains free under the influence of efficacious grace. Meaning of grace really but purely sufficient. Such grace exists. Difficulty of harmonizing efficacious grace with the freedom of the will. The Molinist explanation preferred.

**Economy of Grace.** It is absolutely gratuitous. Grace at least remotely sufficient is given to all men: to the Just, to Sinners, even the obdurate, to Infidels.

### Habitual Grace

**Justification.** Its character. Numerous systems of Protestants. Catholic doctrine embraces two things: The real remission of sin, which is completely blotted out and not merely not imputed, and the sanctification and inward renewal of man by the voluntary acceptance of sanctifying grace and supernatural gifts.

**Sanctifying Grace.** Its nature. Its formal effects. Character of the union which it effects between the soul and the Holy Spirit.

**Disposition for Justification.** The Catholic Doctrine. The Lutheran and Calvinistic Doctrines. Saving faith. Nature and object of this faith. Its necessity. Faith alone not sufficient.



**Properties of Justification.** It is uncertain. Grades of justice differ in different men. Man may fall from the state of grace. He does so through any mortal sin.

**Merit.** General definition of a meritorious work. If the quality of the work done claims a reward as a matter of justice, its merit is termed *de condigno*; if it only claims a reward as a matter of liberality or fittingness, its merit is *de congruo*. Possibility of man's meriting with God.

**Conditions of Condign and Congruous Merit** required on the part of the act, of the person meriting, of God.

### Infused Virtues

#### General Study

**Existence.** There are only three theological virtues: Faith, Hope and Charity. Infused moral virtues.

**Nature.** They are new permanent principles of action in the supernatural order, but unlike the acquired virtues, they do not bestow facility of operation. Facility due to acquired natural virtues.

**Cause.** God is their sole efficient physical cause. He infuses all of them simultaneously in justification. In the just, every supernatural action merits increase of sanctifying grace, and proportional increase in the intrinsic perfection of all the infused virtues.

**Loss.** Mortal sin deprives the Just of sanctifying grace and of the infused virtues save faith and hope. These lost only through the sins of infidelity and despair. Venial sins neither destroy nor directly diminish the intrinsic perfection of sanctifying grace or of the infused virtues, but they are a disposing cause of their ultimate loss through mortal sin.

#### Special Study

**Faith.** See page 204.

### Hope

**Its Nature.** . Distinction from faith and charity. Its subject.

**Properties.** The act of hope is necessary for salvation. Absolute expectation of eternal beatitude is not certain without a special revelation. This uncertainty not attributable to God, but only to the possibility of man's not corresponding to God's grace.

**Object.** Its formal motive is God's relative goodness, in as far as hope is a desire of eternal beatitude; and God's omnipotence, mercy and fidelity, in as far as hope includes energy and effort in the face of difficulties.

Its primary material object is man's beatitude; everything conducive to that beatitude is its secondary object.

### Charity

**Formal and Material Object.** Formal motive of charity, God's absolute goodness. Material object, primary God; secondary, every creature capable of partaking of the eternal happiness of God.

**Nature and Properties.** Charity constitutes a true friendship between God and Man. It is the most excellent of the virtues; the vivifying principle of all the others.

### Course VII.—The Sacraments in General

#### Baptism. Confirmation. Holy Eucharist

Four lectures a week. Seminar, two hours a week. Two Semesters.

### The Sacraments in General

**Essence and Existence.** The definition of a sacrament. There are seven sacraments, all instituted by Christ. Not all are of equal necessity and dignity.

**Effects.** Sacraments of the Old Law are not productive of grace *ex opere operato*; sacraments of the New Law are, *ex opere operato*, productive of grace in recipients disposed. All sacraments are sources of special graces; some impress a character.

**Matter and Form.** The intrinsic causes of the sacraments. The matter and form are determined by Christ in some way for all the sacraments.

**Minister.** The proper minister of each sacrament. An interior intention, at least virtual, but neither faith nor grace, is necessary in the minister for valid administration; for licit administration by an ordained minister, grace is necessary.

**Subject.** For the valid reception of the sacraments, an intention is necessary in adults, but not faith strictly so-called; faith is required in Penance. For the fruitful reception of the sacraments of "the living," grace is necessary.

### Baptism

**Nature.** The definition considered physically and metaphysically. Its institution by Christ. Remote and proximate matter. The form is expressive of lavage.

**Necessity.** It is ordinarily a necessary means of salvation. Where it is impossible the desire of baptism is sufficient in adults; where possible, adults are under precept to receive it. Perfect love and martyrdom as substitutes, and their conditions.

**Effects.** Remission of sin original and actual, and of all punishment due to sin. Infusion of sanctifying grace. The gift of special graces as necessary for the attainment of man's last end.

### Confirmation

**Nature.** Its institution. It is not necessary for salvation with the necessity of means, but only with the necessity

of precept. The matter of the sacrament is the anointing and the laying on of hands, not one only but both. The chrism. The form are the words used during the action.

**Minister.** The ordinary minister is the bishop; the extraordinary, a priest with delegated power.

**Subject.** Every one who has received baptism, and only such.

### Holy Eucharist

**Nature and Excellence.** The real presence of Christ is proved from John 6, Matt. 26, Mark 14, Luke 22, I Cor. 11; from the Fathers; from the teaching of the infallible Church.

**Manner of Christ's Presence.** It is permanent; through transubstantiation of the bread and wine into the body and blood of Christ.

**Intrinsic Causes.** The matter of the sacrament is wheaten bread and wine of the grape. Leavened bread with the Greeks; and unleavened bread with the Latins, is solely a matter of precept. The form of the sacrament are the words essential to the expression of Christ's presence.

**Dispensation of the Sacrament.** All who are baptized and in the state of grace, and they alone, can receive the sacrament with fruit. The sacrament is not necessary *necessitate medii* as a means of salvation, but it is commanded by both divine and ecclesiastical law. The priest is the sole minister of consecration and the ordinary minister of distribution; the deacon is an extraordinary minister of distribution.

**The Mass.** It is a true sacrifice, as proved from Malachy 1, Heb. 5, 7 and 13; from the Fathers; from the teaching of the Church. Christ is Himself the priest and the victim. The Sacrifice of the Mass remits sin and its punishment, not, however, in the same way as the sacraments. It is offered to God alone.



### Course VIII.—The Sacraments

Four lectures a week. Seminar, two hours a week. Two Semesters.

#### Penance

**Virtue.** Real Distinction from the virtues theological and moral. Distinguishing motive. Material Object.

**Sacrament.** Institution, John XX, 21 sq. Power to forgive, all-embracing. Power of binding and loosing. Judicial Character. Requisites on the part of the Penitent.

**Contrition.** Nature of the Act. Perfect Contrition with implicit desire of the Sacrament, a means of Justification. Attrition, sufficient for proper reception of the Sacrament.

**Confession.** Necessity. Per se, should embrace all mortal sins; per accidens, formal integrity suffices.

**Satisfaction.** Efficacy in remitting temporal punishment.

**Minister.** Only regularly ordained priests. Proof from tradition. Necessity of Jurisdiction. Meaning of Judicial Sentence, as expressed in the words of Absolution.

#### Extreme Unction

**Nature.** Sacrament of the New Law (Trid. XIV). Its essence. Episcopal Benediction of Remote Matter essential.

**Minister.** Duly ordained priest; Subject, adult person grievously sick. (St. James V, Trid. Sess. XIV, Denz. 807.)

**Effect.** Bestowal of Habitual Grace. Strength communicated to the soul against temptations and difficulties. Disposing the soul for entrance into life eternal. Restoration of health.

#### Holy Orders

**Nature.** Essential Distinction between Clergy and Laity, of Divine Right. A Sacrament of the New Dispensation. Minor and Major Orders. Bishops, Priests and Deacons.

**Matter, Form, Minister.** Imposition of Hands, Prayer of Bishop. Subject, Baptized Male Person.

### Matrimony

**Nature.** Sacrament of the New Law. As such, identical with the matrimonial contract in the case of Christians. Matrimony of the unbaptized, not sacramental.

**Minister, Matter, Form.** Contracting parties, consent of Contracting Parties, of Parents.

**Polygamy.** The Natural Law. The Patriarchs. The Gospel.

**Indissolubility.** Matrimony of the Unbaptized The Old Testament "Bill of Divorce." Pauline Privilege. Doctrine of Christ. Papal Dispensation.

**Impediments.** The Right of the Church to establish them. Trid. XXIV.

## Department II.—Moral Theology, Canon Law, Liturgy

### SECTION I.—MORAL THEOLOGY.

#### Course I.—Moral Principles. Christian Duties

Five lectures a week. Seminar, one hour a week. Two Semesters.

#### Part I. Principles

**Human Acts.** Nature; constituents; voluntarium and its species; voluntarium in causa, regulating principles Modifying influences of Human Acts—ignorance, concupiscence, fear, violence. Morality, its essence. Whether there are actus indifferentes in individuo; whether the external act increases the morality of the internal. Fountains of morality—object, circumstances, end. Obligation of referring our acts to God.

**Conscience.** Nature; divisions—right and erroneous, certain and doubtful, scrupulous and lax.

**Probability.** Its nature; species—intrinsic, extrinsic, speculative, practical, etc. Systems regarding probability—absolute and mitigated tutiorism, probabiliorism, equiprobabilism, probabilism.

### **Laws**

**Nature.** Notion, essence.

**Kinds.** Natural and positive; Divine and Human; Ecclesiastical and civil; penal; irritant. Divine Positive law in the Old and New Dispensation. Author of the law; Ecclesiastical legislators: Roman Pontiff, Councils: General, Plenary, Provincial, Diocesan Synod.

**Obligation.** Obligation of the law *sub gravi*, *sub levi*; how far the quality of the obligation depends on the intention of the legislator and the matter of the law. Promulgation necessary for obligation; mode of promulgation for Papal and Ecclesiastical laws. Promulgation of the Natural law; can there be invincible ignorance of its precepts. Subjects of the Natural Law, Ecclesiastical, Civil. Requisites for the fulfillment of an affirmative law, of a negative law. Causes excusing from the obligation of a law; exempting or impeding, directly, indirectly; proximately, remotely. Conditions requisite for the placing of an exempting or an impeding cause. Interpretation of a law; species; rules for doctrinal interpretation.

**Dispensation.** Nature; species. Who can dispense in Divine or Ecclesiastical laws. Cessation of dispensation by cessation of cause, by revocation, by renunciation. Cessation of laws by abrogation, by cessation of adequate motive cause, by desuetude.

**Custom.** Kinds. Conditions for the establishment of a legitimate custom. Its force.

### **Sins**

**Kinds.** The distinction between mortal and venial sins; conditions required. Rules for Numeric and Specific distinction. Interior sins. Capital sins.

## Part II.—General Duties

**Virtues.** Theological: Faith, necessity and material object. Opposing sins. Hope; opposite vices. Charity, material object, primary and secondary. Love of God; when the precept urges. Love of neighbor in general; of enemies. Precept of almsgiving, of fraternal correction. Sins opposed to the love of neighbor, scandal, co-operation.

## Precepts of the Decalogue

**First Commandment.** Acts of the virtue of religion: adoration, prayer. Vices opposed to religion: superstition, idolatry, vain observance, divination, spiritism, magic. Hypnotism; when forbidden. Sacrilege, Simony.

**Second Commandment.** Blasphemy; oath, its conditions; vow, its obligation, irritation, dispensation, commutation.

**Third Commandment.** What prescribed for Sundays and Holy Days; what forbidden. Obligation of hearing Mass. Abstinence from servile works.

**Fourth Commandment.** Obligation of children and parents; of employers and employees, etc.

**Fifth Commandment.** Homicide, abortion, duelling, war.

**Sixth and Ninth Commandments.** Sins, exterior and interior; sins consummated and non-consummated.

**Seventh and Tenth Commandments.** Justice. Nature of justice. Dominion; its object, subject, acquisition. Theft; occult compensation. Restitution. Unjust co-operation. Circumstances of restitution, how much, to whom, its order, etc.; reasons which excuse from restitution.

**Contracts.** Requisites; obligation of contracts. Species: unilateral, bilateral. Promise; donation. Testament, nature and species; obligations of testator, heir, executor, Contract of loan; interest, how far permitted or forbidden. Buying and selling; just price, how determined. Sale by



auction. Monopoly, brokerage, partnership, letting and hiring, strikes. Subsidiary Contracts—bond, pawn, mortgage. Insurance; wager and gaming.

**Eighth Commandment.** Lying, equivocation; detraction, calumny, rash judgment. Violation of secret, natural, promised, committed.

### **Precepts of the Church**

Attendance at the Holy Sacrifice of the Mass.

Abstinence, fast; causes excusing from.

Annual Confession and Paschal Communion.

### **Particular Obligations**

Duties of judges, advocates, witnesses, physicians. Obligations of clerics, positive—Sanctity, celibacy. Recitation of the Divine office. Negative obligations of clerics. Obligations of Bishops, Parish Priests, Religious. Nature of the religious state—vocation. Vows of Religious.

### **Course II.—Christian Aids**

Five lectures a week. Seminar, one hour a week. Two Semesters.

**Sacraments in General.** Nature, division, effects, matter and form of. Minister, attention and intention, obligation of dispensing, or refusing. Subject. Valid and licit reception, reviviscence. Sacramentals, effects and mode of operation.

### **Sacraments in Particular**

**Baptism.** Matter, remote and proximate; form; ordinary and extraordinary Minister. Subject—infants, adults, converts from sects. Sponsors; valid, licit sponsorship. Ceremonies in the administration of Baptism and obligation of observance.

**Confirmation.** Matter and form, Minister, subject, age of admission.

**Holy Eucharist.** Nature and efficacy; matter and form. Minister, obligation and mode of administering. Subject; obligation of receiving, dispositions of the soul and body—prescribed fast. Frequent Communion; regulating principles. Mass, nature and application of; obligation of celebrating; time and place of celebration; requisites, rubrics.

**Penance.** Matter, remote and proximate; form, essential, rubrical; Subject. Contrition and species of; sorrow and its qualities; purpose and condition of. Confession, its necessity, integrity of. Satisfaction, obligation of imposing and fulfilling. Minister. Approbation and jurisdiction. Reserved cases, nature of and absolution from. Office of Confessor, general obligations—to special classes, penitents in the proximate occasion of mortal sin, habitual, relapsing sinners. Seal of Confession, its matter and strict obligation.

**Indulgences.** What they are,—are not. Plenary, partial. Conditions for each. Apostolic Indulgences. Indulgences of Scapulars, Way of the Cross. Privileged Altar. Benedictio in articulo mortis treated in detail.

**Extreme Unction.** Nature and effects; matter, remote and proximate; form. Minister, his grave obligation of conferring. Subject. Repeated reception in the same sickness, how far lawful or valid.

**Holy Orders.** Nature and division; matter, remote and proximate; form. Minister. Subjects; requisites for.

**Matrimony.** Promise of marriage, nature, obligation and effects of such promise. Banns, reasons for, dispensation from. Nature of marriage, conditional marriage, when valid, invalid. Consent of parents, how far required for licit contract. Properties of marriage, unity and indissolubility.

Matter and form. Minister and subject. Nuptial benediction. Impediments of marriage. Prohibitory; their names; dispensation from them. Diriment; how far doubt or invincible ignorance of them would prevent invalidity of contract. Particular diriment impediments. \* Error and

Condition; Solemn Vows; Holy Orders; Relationship, natural, spiritual and by adoption; Affinity; Public Propriety; Adultery and Murder; Difference of religion; Fear; Prior Marriage; Clandestinity; Impotence; Abduction. Dispensation from diriment impediments, when possible, when impossible; power, causes and mode of dispensation. Revalidation of marriage by dispensation, simple or in radice. Conjugal obligations, violations thereof.

## SECTION II.—CANON LAW

**Course I.—Ecclesiastical Persons. Clerics, Religious, The Laity.** (First and Second Books of the Code of Canon Law.)

**Disciplinary Laws.** (Fifth Book of the Code of Canon Law.)

Two lectures a week. Two Semesters.

**Introduction to Canon Law.** Divisions and Sources. History of Development. Customs, Rescripts, Privileges, Dispensations.

**Clerical State.** Rights and Obligations of Clerics. Incardination. Appointments and Selection to Ecclesiastical Offices.

General Government. The Supreme Pontiff. General Councils. Cardinals, The Roman Court; Congregations, Tribunals, Offices. Legates, Patriarchs, Primates, Metropolitans. National and Provincial Councils. Vicars, Prefects and Administrators Apostolic. Prelates of Lower Rank.

Episcopal Jurisdiction. Bishops, Coadjutors, Auxiliaries. Diocesan Synods. Vicars General, Chancellors and Notaries, Synodal Examiners and Consultors, Chapters and Diocesan Consultors, Vicars Capitular, Deans, Pastors and Assistant Pastors. Erection, Union and Division of Parishes. Rights, Duties, Appointment and Transfer of Parish Priests.

**Religious State.** Orders and Congregations. Erection and Suppression of Religious Houses and Provinces. Acquisition, Administration and Alienation of Temporalities. Admission; Conditions of Validity, Postulants, Novices. Requisite Qualifications and Training of Candidates. Profession; temporary and perpetual. Vows; simple and solemn. Studies in Clerical Orders and Congregations. Rights and Obligations. Enclosure; Papal and Episcopal. Egression; Passing to another Order, Return to Laical State, Expulsion.

**The Laity.** Lay Organizations in general. Third Orders Secular. Confraternities and Pious Unions. Arch-confraternities and Sodalities.

**Disciplinary Laws.** Offenses, their nature and divisions. Interpretation, Application and Remission of Penalties. Censures; Excommunication, Interdict, Suspension. Penal Remedies. Offenses against the Faith and Unity of the Church. Against Religion, Authorities, Persons and Things Ecclesiastical Offices and Dignities. Abuse of Authority. in the administration and reception of the Sacraments. Against the Obligations proper to the Clerical or Religious State. Offenses in the Appointment to and Reception of Ecclesiastical. Against Life, Liberty and Property. Offenses

**Course II.—Ecclesiastical Things.** (Third Book of the Code of Canon Law.)

**Ecclesiastical Procedure.** (Fourth Book of the Code of Canon Law.)

Two lectures a week. Two Semesters.

**The Sacraments.** Baptism, Confirmation, Holy Eucharist, Penance, Extreme Unction, Holy Orders. Minister, Subject, Rites and Ceremonies, Time and Place. Patrons, when required, their qualifications and obligations. Registration of Baptized, Confirmed and Ordained. Reservations. Indulgences; Plenary and Partial, Concession and Requirements for Obtaining. Requisite Qualifications for Ordination. Irregularities and Impediments. Dispensations.



Matrimony, Nature and Purpose. Requirements for Validity. Publication. Impediments; Prohibitory and Diriment. Consent, and the Matrimonial Contract. Separation. Convalidation.

Sacramentals. Competence of Ministers. Consecrations, Benedictions, Exorcisms.

**Sacred Places and Times.** Churches, Oratories, Altars. Ecclesiastical Sepulture. Cemeteries. Feast Days. Fast and Abstinence.

**Worship and Devotion.** Custody and Worship of the Blessed Eucharist. Devotion to the Saints. Images and Relics. Processions. Sanctuary Equipment.

**Religious Instruction.** Sermons, Lectures, Catechetical Instruction, Missions. Seminaries and Schools. Censorship and Publication of Books and Periodicals. Profession of Faith.

**Ecclesiastical Benefices and Non-Collegiate Institutions.** Erection, Union, Translation, Division, Conversion and Suppression of Benefices. Collation. Right of Patronage. Rights and Obligations of Beneficiaries. Hospitals, Orphan Asylums, other and similar Charitable Institutions.

**Ecclesiastical Property.** Acquisition, Administration, Alienation, Contracts, Foundations.

**Ecclesiastical Procedure.** Tribunals of the First Instance. Judges, Auditors, Notaries, Promoters, Defenders. Tribunals of Original and Appellate Jurisdiction. The Rota and Signatura. Parties Litigant. Actions, Exceptions and Petitions. Introduction of Causes. Methods of Procedure. Matrimonial Causes: The Competent Forum. Constitution of Tribunals. Evidence. Witnesses. Causes relative to Ordination. Causes of Beatification: Testimony, Documents, Perquisition, Informative Process. Revision, Discussion, Judgment. Canonization Procedure in removal and transfer of Pastors. Application of Penal Sanctions.

## SECTION III.—SACRED LITURGY.

One lecture a week.

The rites and ceremonies of the Catholic Church form part of the curriculum of the Divinity School during the third year of the course. Practical instructions are given on the manner of celebrating the Holy Sacrifice of the Mass; on the administration of the Sacraments, and on the recitation of the Divine Office, on decorum and exactitude in the external worship of God.

TEXT-BOOKS. The Ceremonial of the Council of Baltimore; the *Compendium Sacrae Liturgiae* of Wapelhorst.

## Department III.—Biblical Science

## SECTION I.—SACRED SCRIPTURE

## Old Testament

Five lectures a week. Two Semesters.

## I. History of Revelation and of Old Testament Times.

## II. Biblical Archæology:

a). The Tabernacle and the Temple. The Worship. The Calendar. The Sabbath and Principal Feasts.

b). The Government. The Family. Agriculture. Arts and Commerce.

III. **Exegesis.** Special introduction to and commentary on one or more of the following books:

a). The Prophets and Messianic Prophecies.

b). The Psalms and Sapiential Books.

c). The Historical Books.

### New Testament

Five lectures a week. Two Semesters.

a). **History of New Testament Times.**

Political History of Palestine. The Jewish Commonwealth under Roman Rule. Religious parties. The Scribes. Jewish life and customs. The Jews and the Gentiles. Messianic hopes. Apocryphal literature. Chronology of New Testament times.

b). **Exegesis.** Special introduction to and commentary on one or more of the following books:

**Course I.** The Gospels and the Acts of the Apostles.

**Course II.** The Epistles of St. Paul.

**Course III.** The Catholic Epistles.

### SECTION II.—HEBREW

**Second Year.** One hour a week. Translation of selected passages with special reference to the syntax.

### Department IV.—Ecclesiastical History

**Course I.—The Church of Antiquity and of the Middle Ages.  
(1—1307 A. D.)**

Two lectures a week. Two Semesters.

**Introduction.** The Condition of the Jewish and Gentile World During the Last Century Before Christ.

**From 1-313 A.D. The Church of Antiquity.** Foundation of the Church. The Vocation of the Gentiles. The Church of Rome. The Primacy. The Spread of Christianity during the First Three Centuries. The Era of Persecutions.

**The Hierarchy of the Early Church.** The Earliest Heresies. Worship, Sacraments and Private Devotions of the Faithful.

**From 313-c700. The Church of the Fathers.** The Decline of Paganism and the Spread of Christianity during the Migration of Nations. The Church and the Emperors.

**The Great Heresies and Schisms.** The Hierarchy. Councils, General and Particular. Religious and Social Life of the Period.

**From c700-1073. The Church of the Early Middle Ages.** The Conversion of Central and Northern Europe. Mohammedanism. Formation of the Papal States. The Papacy and the Empire.

**The Phocian Schism.** Religious and Social Life of the Period. Monasticism. Ecclesiastical Literature.

**From 1073-1307. The Ages of Faith.** Gregory VII. and the Affair of Investitures. The Crusades. The Papacy and the Empire. Innocent III and his Time. The 13th Century.

**Internal Development.** Monks, Friars and Orders of Knighthood. Mediaeval Sects. Religious and Social Life of the Laity. Mediaeval Art, especially Romanesque and Gothic Architecture. Ecclesiastical Studies. Scholasticism and the Mediaeval Universities.

## **Course II.—The Church During the Renaissance and Modern Times.**

Two lectures a week. Two Semesters.

**From 1307-1517. The Renaissance.** The Papal Exile at Avignon. The Great Schism of the West. The Pseudo-Conciliar Movement. The Council of Constance. The Popes of the Renaissance.

**The Religious and Moral Life of the Period.** The Fore-runners of the Reformation. Wycliffe and Huss. The Spanish Inquisition. Ecclesiastical Science and Literature. The Renaissance of Letters and of Art.



**From 1517-1618. The Religious Revolt of the XVIth Century.** Causes of the Reformation. Luther, Calvin and Zwingli. The Reformation in the North and the East of Europe. Calvinism in France, Scotland and the Netherlands. Henry VIII and Elizabeth.

**The Counter-Reformation.** The Council of Trent and its Reforms. The Papacy. Loyola and the Jesuits. Saints and Missionaries. The Great Modern Theologians. New Orders and Congregations. Literature and Art.

**From 1618-1789. The Age of Political Absolutism and Religious Disunion.** Protestant Sects. Gallicanism and Josephinism. The Penal Laws in England and Ireland. The Suppression of the Society of Jesus.

**Catholic Missions During the XVIIth and XVIIIth Centuries.** The Americas. The Reductions of Paraguay. Canada and Colonial America. The Decline of Theological Studies. Jansenism.

**From 1789-1870. The Nineteenth Century.** The French Revolution. Napoleon and the Church. The Civil Constitution and the Concordat. The Congress of Vienna. The Revolutions of 1830 and 1848. Piedmont and the Loss of the Papal States. The Church in America, especially in the United States.

**The Second Spring.** Catholic Emancipation. The Oxford Movement. The Catholic Revival in France and Germany. The New Scholasticism. New Orders and Congregations. Catholic Missions. Sacred Art. The Council of the Vatican.

### **Christian Archeology**

(Illustrated)

**Introduction.** Object of this Course. Concept, Division and Scope of Christian Archeology.

### **The Catacombs**

#### **I. History and Structure of the Catacombs.**

1. Origin, Purpose, Use, Decay and Rediscovery.
2. Structure, Location, Extent, Arrangement.

**II. The Art of the Catacombs.** The Views of the Early Church on Art. Symbolism and Allegory. The Use of Pagan Forms.

1. Architecture and Sculpture. Cubicula and Crypts, esp. The Papal Crypt. Subterranean Basilicas. The Statues of Hippolytus and The Good Shepherd. Sarcophagi.

2. Painting. Character, Contents, Technique. Periods of Cemetery Painting.

### **Christian Epigraphy**

#### **I. General Characteristics of the Inscriptions of the Catacombs.**

1. Pagan and Christian Forms. Language and Style.
2. The Dating of Inscriptions.
3. Content and Great Apologetic Value.

#### **II. Various Classes of Inscriptions.**

1. Doctrinal, and Hieratic Inscriptions.
2. Historic Inscriptions. Inscriptions Descriptive of the Life and Manners of the Early Christians.

### **The Art of the Patristic Age.**

#### **I. Early Christian Architecture. Prominence of Architecture.**

1. The Basilica. Its Original Form and Later Development.

2. The Circular Style. Baptisteries and Rotundas, e.g. The Lateran Baptistery.

3. The Byzantine Style. Its Origin, Characteristics and Spread. The Hagia Sophia at Constantinople.

#### **II. Painting and Sculpture. Views of the Fathers on Art.**

1. Sculpture. Sarcophagi. Diptychs, Bookcovers, etc.

2. Painting. Frescoes and Mosaics. Origin and Extraordinary Development of Mosaic Art. Byzantine Mosaics. Ravenna and Rome

## Patrology

**Introduction.** Concept, Scope and History of Patrology. Definition of Terms: Patrology, Patristics, History of Dogmas, Early Christian Literature, Father of the Church, Ecclesiastical Writer, Doctor of the Church.

**Ante-Nicene Fathers.** Views of the Early Christians on Literary Activity. General Characteristics of Early Christian Literature.

**I. The Apostolic Fathers, before 150 A. D.** "The Apostles' Creed." The Didache. The So-called Epistle of Barnabas. The Letters of Clement of Rome, Ignatius of Antioch, and Polycarp. Papias. Hermas. Diognetus.

**II. The Apologists of the Second Century.** Quadratus. Aristides. Justin the Martyr. Tatian. Athenagoras. Hermias. Minucius Felix, etc. Irenaeus of Lyons.

**III. The Third Century.** The Beginnings of Theology.

1. The Alexandrians. Clemens. Origen. Dionysius. Lucian, etc.

2. The Africans. Tertullian. Cyprian. Lactantius, etc.

3. The Romans. Hippolytus the Philosopher. The Muratorian Fragment.

**The Patristic Age.** The Phenomenal Development of the Theological Literature of this Period. Causes. Various Forms. General Characteristics.

**I. The Fathers of the East or the Greek Fathers.** Eusebius Pamphili. Athanasius. Basil the Great. Gregory of Nazianzus. Theodore of Mopsuestia. Didymus. John Chrysostom. Cyril of Alexandria. Theodoretus. Ephrem. John Damascene, etc. The Pseudo-Areopagite, or The Question of the Authenticity of the Writings of "Denis the Areopagite."

**II. The Fathers of the West or the Latin Fathers.** Hilary of Poitiers. Ambrose of Milan. Prudentius. Rufinus and Jerome. Augustine of Hippo. John Cassian. Fulgentius. Boethius and Cassiodorus. Venantius Fortunatus, Gregory the Great, etc.

**Conclusion.** The Decline of Patristic Literature.

### History of Dogmas

Two years course. Two periods a week.

**Course I. Development of Dogmas During the Patristic Period, 100-869.**

First Semester. Teaching of the Apostolic Fathers, of the Apologists, of the Antignostics. Formation of Greek and Latin Theology. Baptismal Controversy. Question of Penance. Arianism and the Council of Nicaea. Semi-Arian Controversy. Apollinarianism. The Macedonian Heresy. The Second General Council. Dogmatic Development during the fourth century. Pelagianism and Semi-Pelagianism. The Doctrine of Grace and Original Sin.

Second Semester. The Nestorian Heresy. The Third General Council. Eutychianism. The Fourth General Council. The Three Chapters. The Fifth General Council. The Monothelite Heresy. The Sixth General Council. Fifth-century Christology. General Theology. Veneration of Saints. Mariology. Eschatology. Veneration of Images. The Seventh General Council. The Filioque Clause. Spanish Adoptionism. The Photian Schism. The Eighth General Council.

**Course II. Development of Dogmas During the Scholastic and Post-Tridentine Periods.**

First Semester. Formation of Scholasticism. Method and System. Representative Scholastics. Their Teaching—On God: His Existence, His Essence, His Attributes. The Blessed Trinity. Creation. Angelology. Anthropology. Original Justice. Original Sin.

Second Semester. Christology. Soteriology. The Church. Grace. Justification. Predestination. The Sacraments. Mariology. Veneration of Saints. Eschatology. Mediaeval Heresies and Councils. The Reformation and the Council of Trent. Post-Tridentine Theology. School Differences. Later Heresies and Papal Decisions. The Vatican Council.

**Text-Book.** Manual of the History of Dogmas. B. J. Otten, S. J.



## Department V.

### SECTION I. —SACRED ELOQUENCE

The students of the Divinity School give serious and continued attention to the theory and practice of pulpit oratory. During the course of the year each student is required to elaborate a sermon on some given text, and, after it has been submitted for approval, to deliver it before his professors and fellow-students. In addition to this weekly gatherings are held, presided over by one of the professors, where, in turn, the students deliver choice selections from the great pulpit orators, or original developments of Scripture texts. The speakers are then criticised by their fellow-students and the professor concludes the exercise by a general summing up of the criticism offered.

**Course I.** Repetition of the fundamentals of correct expression. Gesticulation, breathing, voice culture, inflections. Correct reading and interpretation of scriptural passages. Private coaching. Two semesters. One hour a week.

**Course II.** Further study of the reading and vocal interpretation of the Epistles and Gospels. Catechetical sermons. Short instructions. Expositions of the Gospels for use in the pulpit. Private coaching. Two semesters. One hour a week.

**Course III.** Principles of sacred oratory as applied in sermons of greater length, panegyrics, etc. Further studies in the vocal interpretation of scriptural passages. Supervision and criticism. Two semesters. One hour a week.

**Course IV.** A special course designed to meet the requirements of individual students. Defects are corrected, and through private attention the rarer qualities of sacred oratory are developed, depending upon each student's capacity and advancement. Two semesters. One hour a week.

## SECTION II.—ECCLESIASTICAL MUSIC

**Plain Chant .**

**Third Year.** Second Term. One hour a week.

Elements and characteristics of modern musical theory. Introduction to the theory and practice of Gregorian chant. Voice culture. Sight reading.

This course is mainly practical. Its object is to give facility in reading and properly rendering the liturgical chant occurring in the service of the Catholic Church.

TEXT-BOOK: New School of Gregorian Chant—Johner.

**The University Choir**

A choir of about twenty-four voices, from the Theological and Philosophical Departments, takes charge regularly of the singing at all solemn services in the University chapel. At the Holy Week services in the church and on special occasions the choir is assisted by from thirty to forty additional voices.



Graduate  
School of Philosophy  
and Science



## Graduate School of Philosophy and Science

### Officers

REV. WILLIAM F. ROBISON, S. J.,  
President.

REV. MICHAEL J. O'CONNOR, S. J., A. M.,  
Acting President of the University.

REV. JAMES I. SHANNON, S. J., A. M.,  
Regent.

REV. FRANCIS J. O'BOYLE, S. J., A. M.,  
Dean.

REV. HUGO F. SLOCTEMYER, S. J., M. S.,  
Vice-Dean.

REV. JOSEPH L. SPAETH, S. J., A. M.,  
Spiritual Director.

## Introductory Statement

The courses of the Graduate School of Philosophy and Science extend over three years, and may be classed under two heads: 1. Rational Philosophy and Ethics; 2. Science and Mathematics.

The courses of the second and third years are entirely graduate in character. The courses of the first year are practically all of such a nature that credit for them towards a graduate degree can be and is given to those who have already obtained their undergraduate degree.

### Department of Philosophy and Ethics

The subjects of this department have ever been regarded as the crown of systematic education, Philosophy giving and demanding the highest mental culture, and Ethics furnishing the rational basis of moral conduct. A brief examination of the following outline will show that the purpose of these courses is definite and positive, not solely the study of the history of philosophy and the vagaries of human thought without solid inquiry into the truth or error of the divergent philosophical opinions or theories. The history of philosophical schools and their adherents is adequately considered, but is rated as of secondary importance. The primary object is to sift the truth from error in all opinions and from the knowledge thus acquired to build a consistent system of principles of thought and action.

The strict scholastic method, as perfected by St. Thomas and the schoolmen, is followed. In orderly sequence the various opinions on any subject are examined, the false and the true are discriminated, the error and its source are laid bare, the arguments for the false opinions are refuted, the

truth is expounded and established. This work is supplemented by the scholastic exercise known as the "Circle." A "Defender" proposes a thesis which has been established in the manner described, gives an exposition of its meaning, describes the contrary opinions, proves his own proposition by argument, and then defends his thesis against "Objectors" who urge the difficulties of dissentient philosophic schools. At regular intervals there are public disputations as an incentive to thoroughness and an aid to the acquisition of self-reliance.

### Department of Science

Realizing the importance of science and mathematics in a liberal education, the University requires its students of Philosophy to pursue courses in mechanics, physics, chemistry, biology, geology, astronomy and higher mathematics, as indicated below. Every facility is offered for thorough laboratory work.

### Degrees

The Graduate Degrees to which the courses lead are those of Master of Arts and Master of Science.

#### Requirements for the A. M. Degree:

1. The candidate must have an A. B. degree from an institution of good standing and must devote one year exclusively to resident graduate study, completing at least twenty-four semester hours.

2. The work must be done in one or two departments, and must ordinarily embrace one principal and one or two secondary subjects. It must involve concentrated work in some special field of study in such subjects as Philosophy, History, Economics, Mathematics, Physics, Chemistry, Biology. Advanced courses given in the professional schools of St. Louis University will be accepted in partial fulfillment of

requirements for the A. M. degree, but under no circumstances may a candidate count these same courses toward a professional degree.

3. The candidate must pass a satisfactory examination in all the subjects studied.

4. He must present a typewritten or printed thesis in his major subject. This essay must be on a subject approved by the professor in charge of the major subject and must be completed and submitted at least four weeks before the time of the final examination. Two referees will then be appointed to examine the essay and present a written report upon it.

The degree of Master of Science, M. S., is conferred under the same conditions as above when the major subject of study has been scientific.

Requirements for the degree of Doctor of Philosophy—Ph. D.:

The degree is conferred on one who, having previously received the Bachelor's degree from an institution of good standing, satisfies the following requirements:

1. At least three years of resident graduate work in pursuance of an accepted course of study. The course in question must include one principal and one or two secondary subjects. A reading knowledge of French and German is a prerequisite.

2. A satisfactory examination upon the work done in preparation for the degree.

3. The presentation of a satisfactory printed thesis. Since the chief consideration in the candidate is that he be able to produce valuable and original work, his thesis must embody a real contribution to science.

4. Such knowledge of subjects considered fundamental as may be prescribed by the several departments.



## Outline of Courses

### Department I.—Philosophy and Ethics

#### SECTION I.—RATIONAL PHILOSOPHY

##### First Year

##### Logic and Ontology

Ten lectures a week. Seminar, two hours a week.

##### Minor Logic

Definition and division of Philosophy. The province of formal and material logic. Three acts of the mind.

**Simple Apprehension.** Classification of ideas. Subordination of genera. The heads of predicables. Classification and use of terms. Definition. Nominal definition. Real definition. Rules for definition. Division.

**Judgment. Propositions:** their nature and division. Opposition, conversion and equivalence of propositions.

**Reasoning.** Syllogism and its laws. Figures and modes of the syllogism. Various kinds of syllogisms. Nature and kinds of demonstration. Example and analogy. Analysis and synthesis. Fallacies. Science.

##### Major Logic

**Truth.** Definition of truth. Truth completely possessed in the judgment only. Logical falsity. Ideas never false. Judgments may be false.

**Certitude.** Nature of certitude in general. Ignorance, doubt, suspicion, opinion, probability. Metaphysical, physical and moral certitude. Natural and philosophic certitude. Universal skepticism. Methodic doubt. The primary principle, fact and condition of all knowledge.

**Sources of Certain Cognition.** Consciousness. The senses. Ideas. Objectivity of ideas. Criticism of Kant's synthetic "a priori" judgments. Intellect. Reason. Memory. Human testimony and belief. Historical criticism. Auxiliary sciences of history. Processes of indirect research. Textual criticism.

**Universals.** Nominalism. Conceptualism. Ultra-Realism. True doctrine on universals, as explained by St. Thomas.

**Criterion of Truth.** Blind impulse to believe. Sentimentalism. Traditionalism. Objective evidence.

### Ontology

**Being.** The concept of being. Being neither a generic nor a universal notion. Analogousness of being. Essence and existence. Possibility, internal and external. The possible precedes the actual. Internal possibility depends, not on God's will or on His omnipotence, but on His essence and intelligence.

**Attributes of Being.** Unity. Individuality, identical with concrete nature. Identity and distinction. Truth of being. Goodness of being. How and why every being is good. Evil in being a privation.

**Notions next in point of generality to Transcendental Being.** Substance. The reality of substance defined. False definitions of Locke, Spinoza, and Leibnitz. Accident, absolute and modal. Accidents really distinct from their substance. Accidents existing without substance. Substance as hypostasis and personality. Wrong and dangerous doctrine of Locke in regard to personality. Relation. Causality. Kinds of causality. Principle of causality.

**The Perfection of Being.** Simple and compound being. Necessary and contingent being. Finite and infinite being. Order and beauty.

## Second Year

### Cosmology and Psychology

#### Cosmology

Four lectures a week. Seminar, one hour a week.

**Origin of the World.** Pantheistic Theories; Materialistic Views; Possibility of Creation; Fact of the World's Creation in Time.

**Laws of Nature.** Reality of Activity in Inorganic Bodies. Design in Nature. Intrinsic Final Tendencies of Natural Bodies. Contingency of Physical Laws. Nature, Possibility and Cognoscibility of Miracles.

**Theory of Matter and Form.** Atomism, Dynamism, Substantial Changes; Matter and Form. Nature and Properties of Primal Matter and of Substantial Form. The Compound.

**Nature and Properties of Inorganic Bodies.** Quantity, Continuity, Formal Effect of Quantity. Space and Place. Time, Eternity, Eternity. Sensible Qualities of Corporeal Substances.

**Existence of Bodies in Space.** Reality of Existence of Bodies in Space; Circumscriptive, Definitive and Mixed Existence of Bodies in Space; Compenetration and Replication.

#### Psychology

Six lectures a week. Seminar, one hour a week.

**The Problem of Life in General.** Characteristics of living and non-living matter. Mechanical theories of life. Vitalism, Neo-Vitalism. The scholastic doctrine.

**The Structure and Functions of the Nervous System of Man.** The General Arrangement of the nervous system. Nerves. The peripheral end-organs. The spinal cord. The brain.

**The Reflex Mechanism and Its Bearing on Psychological Problems.** The facts of reflex action. Their purposive character and the so-called objective criterion of mind. Reflexes and voluntary actions, sensori-motor and ideomotor actions, expressive movements, instinctive and impulsive actions. The physical basis of habit. The automaton theory. The principle of conservation of energy and mental control over bodily actions.

**The Localization of Functions in the Brain.** History of the problem. Modern methods and results. Motor and sensory areas. The so-called "silent areas." Speech centers. The various forms of aphasia. Acquired functions. The process of learning. Problems of child-psychology.

**Sleep and Dreams.** History of the problem. Various theories of sleep; its physiological and psychological significance. Experimental investigation of dreams.

**Hypnotism.** The facts and the various theories. The so-called hypnosis of animals.

**Nature and Kinds of Sensations.** Classification of the senses. External and internal senses. Mueller's, Weber's and Fechner's laws. Experimental investigation of association and memory. The Associanist school. Experimental investigation of the various sensations. Space perception and modern theories on the subject. The scholastic doctrine concerning sensation.

**Emotions.** Experimental investigations and the scholastic doctrine.

**Intellectual Life.** Theories of psychic elements in the light of the psychological experiment. Methods of investigation. The work of the Wurzburg school. Essential distinction between intellect and sense. The scholastic doctrine in the light of physiological and experimental data. Sensationalists, Associanists, Materialists, Monists, Psychophysical Parallelists, Positivists, Empiricists, Evolutionists. Brutes have no reasoning power.



**The Three Elements of Intellectual Life.** Simple apprehension, judgment, and reasoning. The objects, primary and secondary, of the intellect.

**The Origin of Ideas.** Theory of innate ideas; Plato, Descartes, Leibnitz, Rosmini, Cousin, Fichte, Hegel, Schelling, Kant. Ontologism; Malebranche, Gioberti, Ubaghs. Traditionalism; De Bonald, Bonnetti, Ventura. The scholastic Aristotelian doctrine. The process of abstraction; the scholastic doctrine in the light of modern investigations.

**Judgment and Reasoning.** The scholastic doctrine. Experimental analysis of the judicial process; assent and consent. Analysis of Ratiocination. Deduction and Induction. Implicit reasoning.

**The Will.** Its essential difference from the sensitive appetite. The object of the will. Motives. Deliberation. Necessary and free acts.

**The Nature of Free Will.** The conditions of free choice. The experimental evidence. Moral aspect of free will. Free Will, the necessary complement of man's rational nature. The various forms of Determinism. The impediments of free choice. The perversions of the will; crime and insanity.

**The Human Soul.** The substantiality of the soul and the so-called "actuality theory." The stream of consciousness. The perception of abiding identity of the Ego. The simplicity of the soul and the recent advances in nerve-physiology. The spirituality of the human soul. The argument from the perception of abstracts and universals. Modern nominalism. The argument from perfect psychological reflection. The argument from free will.

**Union of Soul and Body.** Aristotelico-Scholastic doctrine. Descartes' doctrine on the seat of the soul. Doctrine of Plato, Malebranche, Locke, Rosmini, etc. Modern theories of "interaction" and "psycho-physical parallelism."

**Origin of the Human Soul.** Traducianism. The scholastic doctrine.

**Immortality of the Human Soul.** The natural immortality of the human soul proved from its spirituality. Its actual immortality. Ethical and teleological arguments. The universal belief of mankind and its value as an argument.

### Third Year

## Natural Theology and Special Lectures

### Natural Theology

Four lectures a week. Seminar, two hours a week.

**The Existence of God.** Views of the Monotheistic Philosophers on the natural foundation of a reasonable belief in God. Refutation of so-called Ontological arguments. St. Anselm's argument.

Proofs of the existence of an Intelligent First Cause or Personal God. The metaphysical, physical and moral *a posteriori* arguments.

**The Essence of God. His Attributes:** Infinity, Unicity, Simplicity, Immutability, Eternity, Invisibility, Incomprehensibility.

**Cognition of God.** Its objects, primary and secondary. His cognition of the Possibles, of necessary and free future acts, of the Futuribles.

**The Will of God.** Its objects, primary and secondary. Necessary and free objects. His Will, the Principle of Creation. The Creative Power can in no sense be shared by Creatures.

Divine Preservation and Concurrence. Divine Providence and its relation to existing evil. Scholastic differences as to the manner in which God concurs with creatures.

### Special Lectures

A more thorough study of questions selected from the different parts of Philosophy and of special importance because of their connection with both Moral and Dogmatic Theology.

## Historical Courses

### History of Philosophy

Two hours a week. Two Semesters.

The logical, metaphysical and ethical problems discussed in the three-year course of Scholastic Philosophy are studied in their historical setting. Special stress is laid on an historical appreciation of *modern* philosophical thought, in particular of *Neo-Scholasticism* and *Neo-Kantism*.

### History of Christian Art.

(Illustrated)

One hour a week during the second semester.

The scope of this course is to show the development of art under the influence of Christian principles. It confines itself to architecture, painting and sculpture, and comprises the following topics:

**Architecture.** The Basilica and Rotunda. The Byzantine Style. The Romanesque Style, called Lombard in Northern Italy and Norman in England and Normandy. The Gothic Style, especially in France, England, Germany and Spain. The Renaissance, Baroque and Classic Styles. Church Architecture of the Nineteenth Century.

**Painting.** Early Christian Painting, Frescoes, Mosaics and Miniatures. Irish Illumination. Painting during the Romanesque and Gothic Periods. Stained Glass and Easel-Pictures. The Italian Renaissance; the Trecento and Quattrocento. The Schools of Tuscany, Umbria and the North. The High Renaissance: da Vinci, Michelangelo, Raphael. The Renaissance beyond the Alps. The Decline of Painting. The Italian, Flemish, Dutch and Spanish Schools of the XVIIth and XVIIIth Centuries. The Revival of Sacred Art in the XIXth Century. The Nazarenes and Pre-Raphaelites.

**Sculpture.** Early Christian Sculpture: Sarcophagi. Ivories, Statues. The Byzantine Influence. Early Mediaeval Reliefs and Carvings. The Plastic Work of the Romanesque Period. Gothic Statuary and Foliage. Nicolo Pisano and the Revival of Sculpture. The Renaissance: Ghiberti, Donatello, della Robbia, Verrocchio, Michelangelo. Sculpture during the XVth and XVIth Centuries North of the Alps. The Decline of Religious Sculpture during the XVIIIth Century and its Revival during the XIXth.

## SECTION II.—ETHICS.

Four lectures a week, two semesters.

Seminar, two hours a week.

**General Ethics**

**Ultimate End of Human Activity.** Innate desire of happiness; its value in proving the existence and conditions of a future life. In the purely natural order the ultimate end of human life is perfect natural happiness, consisting necessarily in a relatively perfect knowledge and love of God in the life to come. Supreme purpose of the present life, to shape conduct according to the exigencies of the higher destiny towards which man is tending.

**Human Activity.** Man, like every other being, attains to his end by acting conformably to his specific nature. A study of human activity. Human acts voluntary. Voluntary acts, considered in their physical nature, require an act of the will guided by a knowledge of the end for which the act is performed. They are modified or nullified by ignorance and passion. Voluntary acts studied in their normal nature. What acts can be called strictly moral acts. Essence of morality. Intrinsic difference between good and evil. Rule of morality and sources from which moral good and evil are derived.

**The Law of Nature.** In addition to the faculty of knowing right from wrong, man understands clearly that he is obliged to do the one and to avoid the other. General notions of law. There is a law existing in the mind of God from eternity. Through creation this eternal law is promulgated in man's rational nature. Proofs of the existence of a natural law, its scope and its properties. Relation of positive law to the law of nature. Analysis of the idea of obligation.

**Rights.** Man by reason of his social nature needs protection in the exercise of his liberty. Rights as distinguished from physical force. There are rights granted by nature



which are valid independently of all positive legislation. The juridical order is not separate from the moral. The relation of man to the lower animals; vivisection.

### Applied Ethics

**Duties.** Duties of man towards God. Duties of man towards himself, (a) towards his body, (b) towards his soul, (c) towards external things. Duties of men towards each other.

**Right of Defense.** A lie is intrinsically evil and in all cases prohibited. Man may defend his life to the extent of destroying the life of an unjust aggressor, if the proper conditions be verified. Under the law of nature every man has a right to his honor and good name; this right, however, cannot be defended by acts of external violence; consequently the duel is prohibited by the law of nature.

**The Right of Property.** Various forms of socialism. Socialism not a remedy for existing social and economic difficulties. The right of acquiring and holding private possessions is a natural one.

### Social Ethics

**Domestic Society.** Man by nature a social being. This social tendency develops first in domestic society. The nature and necessity, the end, obligation, unity, indissolubility of matrimony. Duties of parents and children in the family. The social instinct in man further develops itself in civil society.

**Civil Society.** Origin and efficient cause. Origin of authority. End of civil society; false opinions. Rights and duties belonging to civil authority; its supervision over morality, over religion in the natural order. Relation between Church and State. Right of the State in the matter of education. Education a parental right primarily. Relation of public authority to economic and social questions.

Various ways by which political power may be transmitted ; heredity, election, victory, prescription.

**Forms of Government.** Their division, advantages and defects. That form best which seems most adapted to the character of the governed.

**Functions of Authority.** Legislative power, its necessity and scope. Executive power. Its duties in foreign representation ; in procuring peace and security at home ; in advancing morality, the arts and sciences.

**Judiciary Power.** Its necessity ; its rights in civil and criminal cases. Capital punishment.

**International Relations.** Treaties. War.

### Pedagogy.

**Course I.** An analytic study of the mental, moral, religious, and physical elements of education, special stress being laid upon the all-important work of forming the character of the student ; the bearing of philosophy in general, and of psychology and ethics in particular, upon sound pedagogics ; the influence of personality upon the professional effectiveness of the teacher.

Required of all. One period a week ; two semesters.

**Course II.** General Principles of Teaching ; School Management. The three aims : Instruction, Training, Culture. Difference between College and High School teaching ; developing initiative ; Laboratory Methods as applied to Literature and History ; Class Room Organization ; Teacher's Record Books ; Examinations ; Minimum requirements and their significance ; etc.

One period a week ; two semesters.

**Course III.** The Pedagogy of English and History :

ENGLISH. General aims and purposes ; Methods of handling in High School and College ; Separate Studies in han-

dling classics: Drama, Essay, Oration, Poetry, Fiction; Teaching Composition; Themes, Original Work, Plans, Reports, etc.; Oral English; Public Speaking.

**HISTORY.** General Aims; Methods of handling; Economic, Political, National, Geographical, Centrifugal; Cause and Effect; Relationship; Perspective; Original research; etc.

One period a week; two semesters.

**Course IV.** The Pedagogy of Latin and Greek and Modern Languages:

**CLASSICS.** General Aims; Culture vs. Mind Training; High School work vs. College work; Insistence on Value for Life; Theme work; High School Classics; College Classics; Research; Collateral Information; Inspirational teaching; Study in its influence on Modern Literature; Collation with other branches.

**MODERN LANGUAGES.** Purpose and Aims: Practical vs. Academic; Literature vs. Life; Reading and Speaking; Methods; Logical, Direct, Saturation by Reading; Theme Work; Reading Methods; Literature study; Conversational study; Modern innovations: French Houses, Saturation through conversation, etc.

One period a week; two semesters.

**Course V.** The Pedagogy of Algebra and Geometry.

**ELEMENTARY ALGEBRA.** Methods: Relative Values of Operations and Problems; teacher's demonstration and students' reproduction of processes; etc. Stress laid upon facility in manipulation.

One period a week; first semester.

**PLANE GEOMETRY.** Value of order in proof building; the grouping of propositions, e. g., around isosceles, similar, right-angle triangles, or around circle. Immediate reproduction of proofs stressed.

One period a week; second semester.

**Course VI.** Pedagogy of Biology, Chemistry, and Physics. Purposes of College and High School science; General Methods; Lectures without demonstration; Lectures with demonstration; Socratic method; Relation of Laboratory work to lectures; Laboratory methods for different sciences; Problems; Methods of correcting and recording submitted work; the art of questioning; Lesson-planning; Practice teaching and observation work.

One period a week; two semesters.

### **Course in Languages**

Three hours a week during both semesters.

This course is supplementary to the study of the classics as pursued in the Normal Department of the University. It supposes, therefore, a knowledge of Latin and Greek Grammar, and aims at a more intimate acquaintance with the philosophical and historical works of antiquity. The reading of prose is varied, however, occasionally by the study of some poetical work, for instance, of Horace or Plautus, Sophocles or Aeschylus. Special stress is laid on the study and practice of style. The course concludes with a conspectus of Latin and Greek Literature.

### **Hebrew**

**First Year.** Hebrew Grammar with suitable exercises. Two hours per week. Two semesters.

**Second Year.** Select readings from the Bible. One hour per week. Two semesters.

**Third Year.** Composition. One hour per week. Two semesters.

### **Oratory and Public Speaking**

**Course I.** Fundamentals of oral expression. A thorough study of physical culture exercises for perfect control of the body, poise, gesticulation, breathing, voice culture. Application of principles of gesticulation and expression in



prose and poetry. Private coaching. One hour a week. Two semesters.

**Course II.** Study of poetic selections and their rendition under direction and criticism. Inflection, interpretation, word-painting, etc., are suggested. The material is chosen from a wide range of authors, including Shakespeare. Special directions and attention are given to future teachers of expression. One hour a week. Two semesters. Private coaching.

**Course III.** Persuasive oratory. A study of the art of persuasion in orations and in debates. Parliamentary procedure, extemporaneous speaking, speeches for special occasions, argumentation. Private coaching. One hour a week. Two semesters.

**Course IV.** Shakespeare. An extensive study of some of the better known selections from Shakespeare's dramas to acquire a proper vocal interpretation of the leading characters in these plays. Parts are assigned to students and scenes are enacted. Private coaching. One hour a week. Two semesters.

## Department II.—Mathematics and Science

### Mathematics.

**Course I.** A brief review of ALGEBRA, GEOMETRY and TRIGONOMETRY from the standpoint of the teacher of these subjects. Special attention is paid to the logical basis of the various topics and the ends to be sought in teaching them.

**Course II.** ANALYTIC GEOMETRY. Two hours a week: one semester.

**Course III.** DIFFERENTIAL and INTEGRAL CALCULUS. Two hours a week: one semester.

**Course IV.** DIFFERENTIAL and INTEGRAL CALCULUS, advanced, with applications to the sciences. Five hours a week: two semesters.

**Course V.** DIFFERENTIAL EQUATIONS. Five hours a week: two semesters.

**Course VI.** VECTOR ANALYSIS. Two hours a week: one semester.

### Physics.

**Course I.** A course in GENERAL PHYSICS, with special attention to fundamental principles and their logical connection. Prerequisite: Plane Trigonometry. Lectures, experimental demonstrations and recitations, five hours a week; laboratory two hours a week: two semesters.

**Course II.** Advanced and more mathematical treatment of mechanics, molecular physics, light and heat. Must be preceded or accompanied by a course in Calculus. Prerequisite: Course I. Lectures four hours a week; two semesters.

**Course III.** ELECTRICITY and MAGNETISM: RADIO-ACTIVITY: the ELECTRON THEORY. Prerequisite: Course I and the Calculus. Lecture four hours a week: two semesters.

**Course IV.** Advanced laboratory measurements in mechanics, molecular physics, light and heat. Includes some lectures on the theory of physical measurements and measuring instruments and the computations of results. Six hours a week: two semesters.

**Course V.** Advanced laboratory work in Electricity and Magnetism. Six hours a week; two semesters. Prerequisite: Course III.

**Course VI.** Electric oscillations and electromagnetic waves; radio communication. Lectures two hours a week: one semester.

### Chemistry.

**Course I.** GENERAL CHEMISTRY: Primarily for students of Philosophy preparing for advanced work in chemistry. Lectures, two hours a week; laboratory, four hours a week. In the lectures descriptive inorganic and organic chemistry are presented, together with a thorough discussion of the fundamental principles of the science and their application. The laboratory work consists of experiments and preparations of such a nature as to give the student an experimental knowledge of the subject-matter of the lectures. Two semesters.

**Course II. QUALITATIVE ANALYSIS.** Six hours a week: one semester. Prerequisite Course I.

**Course III. QUANTITATIVE ANALYSIS.** Lectures and Laboratory; eight hours a week: one semester. Prerequisite Courses I and II.

**Course IV. ORGANIC CHEMISTRY.** Prerequisite Courses I and II. Lectures two hours a week; laboratory four hours a week: one semester.

### Geology

The general principles of dynamical, structural and historical Geology. Two hours a week: one semester.

### Astronomy

A course dealing with fundamental facts, principles and methods. Two hours a week: one semester.

### Biology

**Course I. GENERAL BIOLOGY.** Fundamental principles of the science, with a discussion of the view-points and methods of the various sub-sciences, particularly of comparative morphology, general physiology and comparative embryology. The course is intended chiefly as a biological background for the courses in psychology. Two lectures a week; one semester.

**Course II. COMPARATIVE ANATOMY.** A laboratory study of a graded series of forms chosen from the animal phyla, with such occasional lectures and informal discussions as may be demanded for effective laboratory work. Two laboratory periods per week; one semester.

**Course III. ORGANIC DEVELOPMENT I.** A lecture course on the historical development of our modern conclusions in the field of experimental biology, with special reference to the aspects of ontogeny. Two lectures per week; one semester. Prerequisites: Biology I, Cosmology, Psychology.

**Course IV. ORGANIC DEVELOPMENT II.** A lecture course on the development of recent theories of heredity with special reference to their significance in the interpretation of general biological theories. Two lectures per week; one semester. Prerequisite: Biology III.

# College of Arts and Sciences



## College of Arts and Sciences

### Officers

REV. WILLIAM F. ROBISON, S. J.,  
President.

REV. MICHAEL J. O'CONNOR, S. J.,  
Acting President of the University.

REV. WILLIAM J. RYAN, S. J., A. M., M. S.,  
Vice President of the University.

REV. BERNARD A. FOOTE, S. J., A. M.,  
Dean.

REV. CHARLES T. HOFFMAN, S. J., A. M.,  
Treasurer.

## Introductory Statement

### Scope

The purpose of St. Louis University in its Undergraduate Department is to educate in the completest sense, that is, to develop fully and harmoniously the faculties of the whole man—intellectual, moral and physical. It assumes that on this harmonious development will depend the character of the students and the measure of their future utility to themselves and to the community; and it aims to give that solid training of both mind and heart which will make for this development and will fit the student for the just interpretation and use of life.

In the **intellectual training** of its undergraduate students the institution aims at laying a solid foundation in the elements of knowledge and at opening the mind to a generous share in the culture of life. For this reason the studies are chosen each for its distinct and peculiar educational value and as a part in a complete and nicely adjusted system. The studies are so graded and classified as to be adapted to the mental growth of the student and to his orderly acquisition of knowledge.

It is one of the decided advantages of the system followed in the University that the student in the Classical, Scientific or English Course may begin his studies in the High School, and then pass on through the college course to graduation in the same institution. This secures, besides the moral influence thus gained, a uniform and homogeneous course of teaching and of training. The result of such a course of study is a continuous and normal development of the mental faculties along well defined lines, and the possession of a clear and coherent system of principles upon which any special course may afterwards safely rest.

In its **moral training** the University aims at building the conscience of its students for the right fulfillment of their civil,

social and religious duties. There is insistence on the cultivation of the Christian virtues which operate for this fulfillment; and, as religion is the only solid basis of virtue and morality, thorough instruction in the religious principles forms an essential part of the system. Students of any denomination are admitted to the courses, and all are required to show a respectful demeanor during the ordinary exercises of public prayer; but the Catholic students are required to attend the classes in Christian doctrine, to be present at the chapel exercises, to make an annual retreat, and to approach the sacraments at least once a month.

### High Schools

The better to secure the results aimed at in its educational work, and to arrange a more perfect co-ordination between High School and Collegiate studies, the University has deemed it advisable to maintain a closely affiliated system of High Schools. Their purpose is to fit their pupils to meet the College entrance requirements by offering a programme of studies based upon those fundamental principles and methods which, in the judgment of the Faculty, underlie alike the work of the High School and the College. At present these schools number two: the Academy of St. Louis University, situated at No. 221 N. Grand avenue; Loyola Hall, Compton and Eads avenue. Catalogues, containing the Course of Studies and other information, may be had on application to the respective Head Masters.

### English Commercial Course

At the request of patrons of the Institution a Commercial Course was established in the Academy of St. Louis University, situated at No. 221 N. Grand avenue. The purpose of this Course is to impart a solid general education, together with the special instruction proper to a Commercial High School. The ultimate development of the English Commercial Course has been realized in the graduate School of Commerce and Finance.

### Registration.

New students must make application for admission to the Registrar, and must file permission to register with him. A student will not be registered without *official* entrance records. Students entering from other colleges should first see the Chairman of the Committee on Advanced Standing.

Former students in good standing, after having paid their fees, will proceed to the Dean to arrange their schedule for the semester.

### Testimonials and Credentials.

All applicants for admission to the College must present satisfactory testimonials of good moral character. A student entering from another college or institution of collegiate rank, must furnish from such institution a certificate of honorable dismissal before his credentials for scholarship will be examined by the Entrance Board.

### Entrance Requirements.

Candidates for admission to Freshmen year must present entrance credits amounting to fifteen units representing four years of high school work. A unit is a series of recitations or exercises in a given subject pursued continuously throughout the school year. The number of class exercises required in a week for each unit shall, in general, be five. Double periods are required for laboratory courses.

Not less than a full unit will be accepted in the first year of any language. Half-units will be accepted, but only when presented in addition to integral units in the same subject, or in half-year subjects which constitute a *complete* course in themselves, e. g., Solid Geometry. Any two of the biological sciences (Physiology, Botany, Zoology) may be combined into a continuous year's course equal to one unit.



## I. Prescribed Entrance Requirements

(a) For the A. B. Degree		(b) For the B. S. Degree	
English .....	3 units	English .....	3 units
Mathematics .....	2 units	†Mathematics .....	2.5 units
*Latin .....	4 units	*Foreign Language	2 units
History .....	1 unit	History .....	1 unit
Science .....	1 unit	Science .....	1 unit

## II. Electives.

The remaining four or five and one-half units may be selected from any subjects counted towards graduation in an accredited or recognized high school, with the following restrictions:

(a) No subject may be presented for less than a half unit of credit, as explained above.

(b) Not more than one unit will be accepted in any vocational subject counted toward graduation in an accredited or recognized high school.

(c) Vocal music and physical training will not be recognized for credit.

## Conditions.

A condition of not more than *one unit* may be allowed to a candidate ranking above the lowest quarter of his high school class; but no condition is allowed in the *prescribed* English, Algebra or Geometry.

(a) This remaining unit may represent work not offered at entrance, and is in that case a real *deficiency*. Such students are considered as deficient students and must remove this deficiency during their first year of residence.

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\*Students presenting full fifteen units without the prescribed four units in Latin or without the prescribed two units in foreign language will be given an opportunity to make up these requirements during the first two years at college.

†Candidates for the B. S. degree who present fifteen units, but only two units in Mathematics, may be admitted with the obligation of supplying the other half unit during Freshman year.

(b) Students offering the required number of units may fall slightly below the passing grade in one unit of work. Such students are considered as *conditioned* and must stand an examination for the removal of this condition during the Freshman year.

The work of the first year must be so arranged and so limited in amount that all conditions shall be removed and all deficiencies made good *promptly*. Deficient and conditioned students must, therefore, submit their course of study for approval to the Dean of the College.

## METHODS OF ADMISSION

### Admission by Certificate.

Admission without examination *on certificate* is granted to students from approved secondary schools as follows:

1. Secondary schools accredited by any recognized standardizing agency.
2. Secondary schools accredited by the State of Missouri.
3. High schools of the *first grade* in other states, which are so rated by the State Superintendent of Public Instruction.
4. Private schools and academies, not on any list, but approved, after investigation, by a vote of the Faculty of St. Louis College of Arts and Sciences.

Credentials which are accepted for admission become the property of the College and are kept permanently on file. All credentials should be filed with the Registrar. They should be mailed at least one month before the beginning of the semester, in order to secure prompt attention. Compliance with this request will save applicants much inconvenience.

Blank forms of entrance certificates, which are to be used in every case, may be had on application to the Registrar.

Certificates must be made out and signed by the Principal or other recognized officer of the school and mailed by him directly to the Registrar.

No certificate will be accepted unless the holder has spent the last year of his high school course in the school issuing the certificate. A catalogue of the school, if published, describing the course of study in detail, should accompany the certificate.

It is expected that the principal will recommend not all graduates, but only those whose ability, application and scholarship are so clearly marked that the school is willing to stand sponsor for their success at college.

The certificates should fully cover the entrance requirements of the College. Admission on school certificates is in all cases provisional. If, after admission to the College, a student fails in any subject for which a school certificate was accepted, credit for that entrance subject may be canceled.

### **Admission by Examination.**

Applicants who are not entitled to enter *on certificate* must take the entrance examinations in the entire number of required units listed on page 248. These examinations are held during the last week in June and the first week in September. The applicant may divide the examinations into two parts, taking as many as possible in June, and the remainder in September. An examination in which the applicant has failed in June may be taken again in September.

### **Admission to Advanced Standing.**

College credit for work done in a secondary school in excess of the requirements for admission can be given only on examination provided through the Dean's office, and on the basis of four semester hours of credit for one unit of high-school work.

Candidates for admission from other institutions of collegiate rank, which offer the same or equal courses of study as those at St. Louis College, will be granted the same standing as the former institution upon presenting in advance of registration:

1. A certificate of honorable dismissal.
2. An official transcript of college credits, with specifications of courses and year when taken, hours and grades.
3. An official certified statement of entrance credits and conditions, showing the length of each course in weeks, the number of recitations and laboratory exercises each week, the length of recitation and the mark secured.
4. A marked copy of the catalogue of the college previously attended, indicating the courses for which credit is desired.

No student will be admitted to the College as a candidate for a degree after the beginning of the first semester of the Senior year.

### **Special Students.**

Mature and earnest students who are either lacking in the required entrance units or who wish to pursue particular studies without reference to graduation, may be admitted with the permission of the Dean, to such courses of their own choice as they seem qualified to undertake.

The work thus done by special students cannot be counted later on toward a degree at St. Louis College unless all entrance requirements have been satisfied.



### Expenses

As the institution is not endowed, it is entirely dependent for its support on the fees paid for tuition.

Matriculation Fee (paid but once).....	\$ 5.00
COLLEGE: Tuition, for all classes ten months.....	100.00
Physics, lecture-room and laboratory fee.....	15.00
Chemistry, lecture-room and laboratory fee...	15.00
Biology, lecture-room and laboratory fee.....	15.00
Mechanical Drawing .....	15.00
Diplomas for Graduates in the Collegiate, Scientific and Graduate courses.....	10.00
Conditioned examinations, each.....	1.00
Conditioned examinations, if taken on any other than the day assigned, each.....	2.00
Students' Tax .....	10.00

Moreover, a deposit of \$5.00 is required of each student in the Science Classes, to cover breakage or loss of articles used in the laboratories. This amount, less the cost of the above items, will be returned to each student at the end of the session.

When possible the loss or breakage of articles in the laboratories is charged to the student who is responsible; but in some cases it may be divided among a class or group of students if the Dean considers such procedure just. The purpose is to make every student a guardian of the property used in the laboratory.

Payments for conditioned examinations must be made invariably before the examinations. Payments for tuition (etc.) must be made semi-annually in advance. The account for tuition dates from the day of the student's entrance. No deduction is allowed for absence, except in case of dismissal or protracted illness. The session is divided into semesters, beginning respectively on the opening day of the academic year and the 1st of February.

## CURRICULUM

The College Course extends through four years and embraces instruction in the Departments of Religion, Philosophy, Economics, Political Science, Sociology, Education, Language, Literature, History, Science and Mathematics. The aim of the course is to give the student a complete liberal education, which will train and develop all the powers of the mind, and will cultivate no one faculty to an exaggerated degree at the expense of the others. The college ideal is not to foster specialization, but to cultivate the mind, to build up and strengthen true character, and to impart that accuracy of thought and reasoning and that breadth of view which must ever be the foundation as well of more advanced scholarship as of eminence in the professions or other stations of life.

## REQUIREMENTS FOR GRADUATION

### Amount of Work.

In order to receive a degree, a student is required to complete 128 semester hours of work, three-fourths (ninety-six hours) of which must be of C grade or better.

The requirements for graduation include:

1. A certain amount of prescribed work, especially in the freshman and sophomore years;
2. A major and two minors, to be taken chiefly during the junior and senior years; and
3. Free electives, which afford opportunity either for broader culture or for greater specialization as the student may choose.
4. At least the Senior year in residence, at St. Louis College.

The *semester hour* is the unit or standard for computing the amount of a student's work. A semester hour is defined as one lecture, recitation or class exercise, one hour in length

per week, for one semester. Two hours of laboratory work are equivalent to one recitation hour. Two hours of preparation on the part of the student is required for each hour of lecture or recitation.

Regular work for Freshmen is *sixteen* hours per week. For all other it may be from *fifteen* to *eighteen* hours. No candidates for a degree will be allowed to register for fewer than twelve hours of work.

No Freshman may register for more than sixteen hours without special permission of the faculty, and such registration is not allowed to any student in his *first semester of residence*.

In case of students of longer attendance, advisers may grant permission to take studies up to eighteen hours a week after the standing of the student in *each study* of the semester is examined and found to be B (85) or over.

Students who drop a study without permission will be marked F on the Registrar's books. If a student is permitted at his own request to drop a course after attending the class for five weeks or more, he will be given a grade of F, which will become a part of the permanent records just as if he had failed at the end of the course.

No credit will be granted any student for more than forty hours in any department, including credits earned in the freshman year, except:

1. When a student is writing a thesis, he may count in addition to the forty hours, the hours of the course in which he does his thesis work.

2. In the department of English, a student may take forty hours in addition to Rhetoric 1—2.

## Quality of Work.

## Grades.

A student's grade of scholarship in each of his subjects is determined by the combined results of examination and class work.

ABOVE PASSING	BELOW PASSING
A 93—100, Excellent	E 60—69, Conditioned
B 85— 92, Good	F 0—59, Failed
C 77— 84, Fair	I—Incomplete*
D 70— 76, Passed	X—Absent

These grades are not given out to the students by the professors, but are regularly issued from the office of the Dean of the College.

Any student who desires to remove an Incomplete, must first obtain from the Registrar, a blank form for presentation to the instruction in charge of the course. This blank when signed, must be filed with the Registrar *within one week* from the time of the semester examination. A fee of \$1.00 is charged for blanks obtained after the specified time.

## Character of Work

## 1. SUBJECT REQUIREMENTS

(a) *Prescribed subjects for the A. B. Degree.\**

	CREDIT HRS.		CREDIT HRS.
English .....	12	Mathematics .....	6
Latin .....	16	History .....	6
Modern Language .....	16	Philosophy .....	16
Science .....	8	Evidences of Religion.....	8

\*A student may be reported *Incomplete*, if some small portion of his work remains unfinished, providing his standing in the course has been of grade C or higher. To secure credit, this work must be completed within one month after the beginning of the following semester; otherwise the course will be recorded as of grade E.



(b) *Prescribed subjects for the B. S. Degree.*

English .....	12	Mathematics .....	6
Modern Language .....	16	History .....	6
Science .....	16	Philosophy .....	16
		Evidences of Religion.....	8

**Outline of Courses.**

## BACHELOR OF ARTS

*Freshman*

FIRST SEMESTER	CREDIT HRS.	SECOND SEMESTER	CREDIT HRS.
Latin, 1, 9.....	4	Latin, 2, 10.....	4
English, 3 .....	3	English, 4 .....	3
Science .....	4	Science .....	4
*Greek, or Mathematics, 1 or 3.....	3	Science, or Mathematics, 2 or 4.....	3
Evidences of Religion.....	1	Evidences of Religion.....	1
Public Speaking .....	1	Public Speaking .....	1
	—		—
	16		16

*Sophomore*

FIRST SEMESTER	CREDIT HRS.	SECOND SEMESTER	CREDIT HRS.
Latin, 3, 11.....	4	Latin, 4, 12.....	4
History, 1, or Greek.....	3	History, 2, or Greek.....	3
Modern Language .....	4	Modern Language .....	4
English, 5 .....	3	English, 6 .....	3
Evidences of Religion.....	1	Evidences of Religion.....	1
Public Speaking .....	1	Public Speaking .....	1
	—		—
	16		16

\*Students taking Greek may omit Mathematics in Freshman and postpone History of Sophomore to the Junior year.

The prescribed courses in Evidences of Religion will be required only of Catholic students.

*Junior*

FIRST SEMESTER	CREDIT	HRS.	SECOND SEMESTER	CREDIT	HRS.
Logic, 1 .....	3		Modern Language .....	3	
Psychology, 3 .....	3		Psychology, 4 .....	3	
Modern Language .....	4		Evidences of Religion.....	1	
Evidences of Religion.....	1		Major and Minor Electives		
Major and Minor Electives					
	16			16	

*Senior*

FIRST SEMESTER	CREDIT	HRS.	SECOND SEMESTER	CREDIT	HRS.
Metaphysics, 6 .....	3		Ethics, 7 .....	3	
Evidences of Religion.....	1		Evidences of Religion.....	1	
Major and Minor Electives			Major and Minor Electives		
	16			16	

## BACHELOR OF SCIENCE

*Freshman*

FIRST SEMESTER	CREDIT	HRS.	SECOND SEMESTER	CREDIT	HRS.
English, 3 .....	3		English, 4 .....	3	
Mathematics, 1 or 3.....	3		Mathematics, 2 or 4.....	3	
Modern Language .....	4		Modern Language .....	4	
Science .....	4		Science .....	4	
Evidences of Religion.....	1		Evidences of Religion.....	1	
Public Speaking .....	1		Public Speaking .....	1	
	16			16	

*Sophomore*

FIRST SEMESTER	CREDIT	HRS.	SECOND SEMESTER	CREDIT	HRS.
Modern Language .....	4		Modern Language .....	4	
Science .....	4		Science .....	4	
History 1 .....	3		History, 2 .....	3	
Evidences of Religion.....	1		Evidences of Religion.....	1	
Public Speaking .....	1		Public Speaking .....	1	
Elective .....			Elective .....		
	16			16	

*Junior*

FIRST SEMESTER	CREDIT	HRS.	SECOND SEMESTER	CREDIT	HRS.
Logic, 1 .....	4		Psychology, 4 .....	3	
Psychology, 3 .....	3		English, 6 .....	3	
English, 5 .....	3		Evidences of Religion.....	1	
Evidences of Religion.....	1		Major and Minor Electives		
Major and Minor Electives					
	16			16	

*Senior*

Metaphysics, 6 .....	3	Ethics, 7 .....	3
Evidences of Religion.....	1	Evidences of Religion.....	1
Major and Minor Electives		Major and Minor Electives	
	16		16

Candidates for graduation must attend any course of lectures, or any other exercises that have been or may be authorized and equipped by the Faculty, even though such courses receive no value in credits.

## GROUP REQUIREMENTS

A candidate for a bachelor's degree must complete a major in at least one department, and a minor in each of two other departments,

- (a) One of which is correlated to the major,
- (b) The other, a free or unrestricted minor, to be chosen from another group.

The various subjects of instruction are divided into three groups as follows: :

<i>Group I</i>	<i>Group II</i>	<i>Group III</i>
English	Economics	Astronomy
French	Education	Biology
German	History	Chemistry
Greek	Philosophy	Geology
Latin	Political Science	Mathematics
Public Speaking	Sociology	Physics
Spanish		

N. B.—For the degree of Bachelor of Arts the Major study must be selected from Group I or Group II. For the degree of Bachelor of Science the Major study must be selected from Group III.

#### MAJOR

Each student before the end of the sophomore year must elect courses from some one department, to be known as his major, which must comprise not less than eighteen semester hours.

A major may be changed only by the consent of the Dean and of the heads of the departments concerned, and such change will be permitted only upon the distinct understanding that all the courses prescribed in the major finally chosen shall be completed before graduation.

#### MINOR

A minor consists of not less than twelve hours in one department. The correlated minor must be chosen from the same group as the major; the unrestricted minor may be chosen from either of the remaining groups.

#### Electives.

Courses not taken (a) as prescribed courses and (b) not included in the student's major and minor sequences may be chosen as free electives to complete the 128 credits required for graduation.

In the choice of electives, each student must be guided by his prospective future work. He must ascertain, moreover, that such courses are open to his class; that he has fulfilled the prerequisites, and that there will be no conflict in the schedule of recitations or laboratory periods.

First year courses in a foreign language will not be accepted for credit towards a degree unless followed by a second year course in the same language.

Elections for the second term must be filed by members of the upper classes with the Dean on or before January 15th, and for the first term on or before May 15th.



### Reference Study and Research.

1. Students taking courses in Philosophy shall prepare and submit *each month* a paper of 2,000 words dealing with the development of some specific topic of the subject matter treated in class.

2. Students taking courses in History and Social Sciences will be required to hand in two papers each semester. These papers are to contain not less than 1,800 words; and at least one of the four papers thus submitted during the year should give unmistakable signs of original research, preferably in some local Catholic subject.

3. All such and other prescribed written assignments will be held to strictly as pre-requirements for graduation, for the fulfillment of which no student will be allowed any extension of time beyond the 15th of April of his Senior Year.

All applicants for a degree should file their application and present all their credits on or before the 15th of April.

### Classification of Students.

No student will be advanced to a higher class if he has any conditions prior to the year in which he ranks.

Those students are ranked as Sophomores who have at least twenty-four credit hours and have completed the prescribed courses of freshman year; Juniors, those who have fifty-six credits and have completed the prescribed courses of the sophomore year; Seniors, those who have ninety-two credit hours and have completed the prescribed courses of the junior year.

No student will be considered a candidate for graduation if he has *any deficiency* at the beginning of the second semester of the Senior year.

### Examinations.

Examinations in all subjects are held at the close of each semester. Partial examinations and written recitations are held from time to time during the semester, with or without

previous notice to the students, at the discretion of the instructor. The result of a semester examination, combined with the student's class work (each to count one-half) will determine his grade for the semester.

A condition [E] due to failure in a semester examination may be removed by a supplementary examination, upon recommendation of the department concerned, with the approval of the Dean of the College. The supplementary examinations are held during the first month of the succeeding semester. They may be taken only on the days specified.

A conditioned student who desires such examination must notify the department concerned one week in advance so that examination questions may be prepared. He must also notify the Dean on or before the same day so that arrangements may be made for the examination. For each subject, a fee is charged, payable in advance at the Treasurer's office. Removal of conditions by examination shall not entitle the student to a grade higher than D.

A student may take only one examination to remove a condition. If he fails to pass the subject, in both the regular and supplementary examinations, he must repeat the entire subject in class.

Conditions may be incurred: (a) by a failure to satisfy the requirements of any course, which requirements include the recitations, tests and other assigned work as well as the examinations; (b) by exclusion from an examination because of excessive class-room absences,\* and (c) by absence, due to any cause, on a day appointed for examination, provided the work done during the semester is below passing.

Conditioned students absent from the regular supplementary examinations must present an excuse satisfactory to the Dean or receive a grade of F for the course.

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[\*“The right to examination in any subject at the end of a semester will be refused (a) to those who have not been present 85 per cent of the class time, or (b) who have not handed in 85 per cent of written assignments in laboratory or other work.”]

### Attendance.

Students not in their places at the opening of the semester must present written excuses from their parents or guardians for the delay.

Students who are not present at recitations during the twenty-four hours preceding or following the Christmas or summer recesses will be marked three absences for each recitation missed, unless permission has been *previously* granted by the Dean. If a student is absent from any class exercise without such permission, his registration in that course is canceled. If such absence is not adjusted within two weeks, a grade of F will be recorded for the course.

The maximum number of unexcused absences allowed a student in any course, *without deduction of grade* in any semester, is the same as the number of class exercises per week in that course. Absences from laboratory courses in excess of one-sixth of the total number for the semester will cancel the registration for the course.

For each additional absence in any subject up to one-tenth of the regular recitation periods for the semester, deductions are made from the *final grade* of the students as computed from the daily standing and final examination, as follows:

One-half per cent for four- or five-hour studies.

One per cent for two- or three-hour studies.

For each absence in excess of one-tenth of the recitations, twice the above schedule of deductions is made.

All omitted exercises must be made up within one week after the resumption of college duties, as appointed by the professor whose exercises were omitted, or they will be counted as failures in determining a student's grade.

*The responsibility in these cases rests with the student.*

If a student is absent either *with or without excuse*, from twenty per cent or more of the exercises of a given class, in any semester, he will be required to take an extra examination which will ordinarily cover the work gone over *during his absence*.

Tardiness in class attendance is regarded as a partial absence, unless the matter is adjusted *on request of the student* at the close of the hour. Three tardy marks will be recorded as one absence. Teachers are to report to the Dean all students who are absent one-tenth of the recitations of a course as soon as that number shall have been reached.

### Student Advisers.

Students are assigned to general advisers in the second semester of the Freshman year. The adviser must be retained throughout the student's course, unless special permission is obtained to change. The student's general electives must be selected under the direction of the general adviser, whose signature must appear on the registration card. In the Junior and Senior years the student must first secure the signature of the head of the department in which he is doing his major work, and second, the signature of the general adviser. During the time of registration the advisers keep office hours. The Dean of the College is chairman of the Board of Advisers, and is temporarily general adviser for all Freshmen and all new students admitted with advanced standing.



## Departments and Courses

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1. As a rule, odd numbers indicate first semester courses ; even numbers second semester courses.
2. In all (a) beginning and (b) year courses both semesters must be completed for credit toward a degree.
3. The Faculty reserves the right to refuse to offer a course listed below for which there is not a sufficient number of applicants.

### Astronomy.

1. **Descriptive Astronomy.** Fundamental astronomical facts and principles: astronomical co-ordinates: the celestial sphere. Astronomical instruments. The sun, moon and eclipses. The planets, comets, meteors. Constellations, clusters and nebulae.

(Three hours credit.)

2. **Spherical and Practical Astronomy.** The theory and use of astronomical instruments, such as the sextant, transit, altazimuth, equatorial, position micrometer, spectroscope, etc. Computation of eclipses, construction of eclipse maps. Introduction to celestial mechanics. Orbits of planets and satellites. (Three hours credit)

### Biology.

1. **Introductory Zoology.** An introduction to the elements of general morphology and physiology. Studies are made of a graded series of invertebrate types illustrating the increase of complexity of form as correlated with division of function. More detailed examination is made of those groups which include many parasitic forms. Two lectures, one quiz hour, and four laboratory hours per week. First semester. (Four hours credit.)

2. **Comparative Anatomy of the Vertebrates.** An intensive study of type forms. The value of the structures studied as basal elements of vertebrate anatomy and the principles of homology in the various groups are elaborated in the lectures. Two lectures, one quiz, and four laboratory hours per week. Second semester. (Four hours credit.)

**3. Embryology (General).** Maturation, fertilization, cleavage in various typical forms. Gastrulation and embryo formation in the Chordates. Acrania, Pisces, Amphibia, and Aves are studied and compared with some care. Two lectures, one quiz, and four laboratory hours per week. First semester. Prerequisite, Zoology 1 and 2 or equivalent. (Four hours credit.)

**4. Embryology (Organogeny).** A continuation of Course 3. A study of the development of systems based on laboratory work on the chick and pig. Two lectures, one quiz, four laboratory hours per week. Second semester. Pre-requisite, Courses 1, 2, 3 or their equivalent. (Four hours credit.)

### Chemistry.

**1-2. General and Inorganic Chemistry.** A course of experimental lectures and problems combined with laboratory work. The laboratory work of the second semester includes a brief course in qualitative analysis. 1a, 2a. Lectures 2 hours a week. Both semesters. 1b, 2b. Laboratory 4 hours a week. Both semesters. (Eight hours credit.)

**3. Qualitative Analysis.** Six hours a week. One semester. Prerequisite: Course 1-2. (Three hours credit.)

**4. Quantitative Analysis.** Lectures and laboratory work. 8 hours a week. One semester. Prerequisite: Courses 1-2 and 3. (Four hours credit.)

**5-6. A Combined Course in Inorganic Chemistry and Analytic Chemistry.** Covers compendiously and necessarily with less thoroughness the essential matter of Course 1-2, 3 and 4. For those who are not taking Chemistry as their major.

5a-6a. Lectures 2 hours a week. Both semesters.

5b-6b. Laboratory 4 hours a week. Both semesters. The second semester of laboratory is devoted to analytical work, qualitative and quantitative. (Eight hours credit.)

**7. Organic Chemistry.** Prerequisite, Courses 1-2 or 3-4.

7a. Lecture 2 hours a week. One semester.

7b. Laboratory 4 hours a week. One semester.

(Four hours credit.)

**9-10. Physical Chemistry.** 9a-10a. Lectures 2 hours a week dealing with the general principles of the subject, with the properties of matter and its phase and energy relations. Two semesters.

9b-10b. Laboratory 4 hours a week. Measurement of densities of gases and liquids, of boiling points and freezing points; practice with spectrometer, polarimeter, refractometer and various physico-chemical apparatus. Prerequisite: Physics, Course 1, and Chemistry, Course 1. Two semesters. (Eight hours credit.)

### **Economics.**

1. **Principles of Economics.** The economic principles involved in the production, exchange, distribution and consumption of wealth. Study of textbook supplemented by lectures, discussions and assigned readings. (Three hours credit.)

2. **Economic History of the United States.** The development of agriculture, commerce and manufacturing industry from Colonial times to the present day. Study of textbook with assigned readings on special topics. (Three hours credit.)

3. **Money and Banking.** The study of the nature and functions of money; monetary systems and standards; the principles of commercial banking. Three (or two) hours a week. (Three or two hours credit.)

4. **The Distribution of Wealth.** A more advanced treatment of the problems arising out of the distribution of wealth. Theories concerning rent, profits, interest and wages. Discussion of proposed remedies for inequality of distribution: Single tax, government ownership, profit-sharing, co-operative enterprises, etc. (Three hours credit.)

5. **Law and Public Welfare.** A study of legislative measures dealing with the protection of life and health in industry: employment of women and children, regulations of hours of labor, minimum wages, the relief and prevention of poverty. (Two hours credit.)

6. **Industrial Organizations.** A study of the development of modern industry along the lines of large-scale production and corporate organization. Prerequisite: Economics 1. (Two hours credit.)

7-8. **Elementary Accounting.** Two hours a week throughout the year. (Four hours credit.)

These courses are not open to Freshmen (except to Freshmen in the Department of Commerce).

## Education.

1. **Philosophy of Education.** The principles underlying all Christian education, and the relative values of different educational agencies and curricula when tested by these principles. Lectures, discussions, required reading and reports. (Three hours credit.)

2-3. **General Psychology. (Philosophy 3-4.)** Beginning with an explanation of the cerebro-spinal nervous system, this course leads on to the study of the phenomena of sensuous and rational life, and then treats of the origin, nature and destiny of the human soul, and the union of soul and body. Must accompany or precede Course 7. Required of Juniors. (Three hours credit.)

4. **Educational Psychology.** A study of established psychological processes and procedure; prevalent errors in psychology and their influence on recent and contemporary educational theory and practice; physical growth and mental development; the psychology of adolescence; instinct, heredity and individuality; attention, interest, appreciation, association, memory and habit, and their application to the problems of education and the class room. Courses 5-6 prerequisite and essential. (Three hours credit.)

5. **History of Ancient and Mediaeval Education.** The development of educational ideals, systems, institutions and methods of early times, through Jewish, Greek, Roman and early Christian civilization, down to the Renaissance. (Two hours credit.)

6. **History of Modern Education.** The Renaissance and humanistic studies; effects of the Protestant Revolution; Catholic progress; the Jesuits and higher education, a survey of systems, movements and tendencies in educational ideals and methods during the sixteenth, seventeenth, eighteenth and nineteenth centuries; recent and contemporary educational thought and tendencies in England, France and Germany, and especially in the United States. Lectures; readings and investigations of special problems. (Two hours credit.)

7. **History of Education.** A brief survey of educational theory, institutions and practice during ancient and modern times with special emphasis on the more recent educational movements of Europe and America. (Three hours credit.)

8. **School Management.** The meaning and aim of the educative process and the function of this aim in class-room organization and control; motivation of school work; routine procedure; gradings and promoting; the real function and character of the curriculum;



assignments, study and recitations; the effective measurements of school processes and products; the influence of personality upon the professional effectiveness of the teacher; professional ethics.

(Three hours credit.)

**9. High School Administration.** An investigation of the problems, aim, organization and procedure in the administration and supervision of secondary schools, public and private; the relationship of superintendent, principal, teachers, parents and pupils; certification of teachers, rating of teachers and teaching efficiency; school surveys, standardizing agencies, processes and progress; school construction, equipment and control. (Three hours credit.)

**10. Principles of Secondary Education.** The development of secondary education in America and in other countries; its relations to elementary and higher education; program of studies, criteria of subject values; history, purposes, organization and methods of the Junior high school; vocational and industrial education; organization and reconstruction of curricula with reference to the various needs of typical communities and present day life; textbooks and apparatus; the psychology of high school subjects.

(Three hours credit.)

**11. Observation of Expert Teaching.** A systematic observation of classes taught in St. Louis High School and a written report of such observations as outlined by the head of the department.

(One hour credit.)

**12. Practical Work in Teaching.** During the second semester each student will prepare thirty recitations and teach them in St. Louis High School under the supervision of a critic teacher.

(Two hours credit.)

### English.

**1. Rhetoric and Composition.** A course in the essentials of Rhetoric and in the various modes of composition. Required of Freshmen who are deficient in the theory or practice of correct English.

(Three hours credit.)

**2. Advanced Rhetoric.** A systematic course based on textbooks, in the theory of rhetoric, the study of style, and the requisites of the various species of writing. Required of Freshmen, as in Course 1.

(Three hours credit.)

**3. Poetry.** Theories of English prosody: Saintsbury, Patmore, Lanier, Bridges, Hopkins. The part played by Latin Christian

hymns in determining the metrical principles of modern Languages. Italian influences in Elizabethan and Caroline verse. French influences in Restoration verse. The influence of Mallory and of the ballads on late poetry. The Romantic revival: Wordsworth and Coleridge. The Pre-Raphaelites. The Catholic revival: Patmore, Francis Thompson and others; contemporary Catholic poets. The poetry of the twentieth century. Free verse. (Three hours credit.)

**4. The Short Story.** The theory and technique of the short story; its development and various kinds. Reading and appreciation of short stories, and composition in the form.

(Three hours credit.)

**5. The English Novel.** The principal purpose of this course is to study the technique of the novel and the various schools of fiction and their tendencies, with special attention to their ethical and literary value. The historical development will be briefly surveyed.

**6. Oratory.** The theory of oratory; analysis and study of oratorical masterpieces; historical study of the great orators. The preparation of briefs, the composition and delivery of short addresses, speeches for occasions, debates, and at least one formal oration, will be required.

(Three hours credit.)

**7. The Technique of the Drama.** The theory of the drama will be studied by means of lectures and assignments in its history and development; examples of the different forms will be analyzed; composition in dialogue, dramatic sketches, playlets, scenarios, and at least one complete drama will be required.

(Three hours credit.)

**8. Shakespeare.** Shakespeare's life, influence, sources of his drama; an acquaintance by reading and assignments with the Shakespearean literature of criticism; a study of the chief plays, especially in comparison with those of other dramatists.

(Three hours credit.)

**9. The Modern Drama.** This course will be confined to English and American drama, though some of the continental influences will be noted and analyzed. The more noteworthy plays of the chief dramatists from Goldsmith and Sheridan to the present will be read.

(Three hours credit.)

**10. Aesthetics and Literary Criticism.** The philosophical basis of aesthetics, the elements of taste; the theory of criticism; a survey of critical standards; a study of the schools of criticism and of the work of the chief literary critics. Critical papers of assigned subjects will be required.

(Three hours credit.)

11. **English Prose.** Its development; from Sir Thomas More to Dryden. The subjective essay; from Cowley to Lamb; some modern masters. The article and review, in criticism, politics, history, philosophy and religion; Coleridge, Hazlitt, Landor, Macaulay, Carlyle, Matthew Arnold, Lionel Johnson. The historians and biographers. (Three hours credit.)

12. **Newman.** His commanding position in the religious intellectual life of the nineteenth century; life and associations at Oxford; Catholic life; his philosophy of education in the "Idea of a University"; his controversial, apologetic and homiletic works; the great Christian protagonist in the warfare of modern rationalism; the acknowledged perfection of form in his prose. (Three hours credit.)

13. **Journalism.** (a) Ethics of journalism; a brief survey of the history of journalism, its development, and a discussion of its present tendencies. (b) The technology of the pressroom, news gathering and reporting; preparation of copy; copy-reading, proof-reading, interviewing and editing. Field work will be required and co-operation with the College periodicals. (Three hours credit.)

14-15. **Early English Literature.** A general survey of the origin and development of the periods to 1750; chief writers and characteristics. (Two hours credit.)

16-17. **English Literature.** An outline history of modern English literature, with required readings and assignments to cover subjects not provided for in other courses. (Two hours credit.)

18. **American Literature.** An historical survey, with especial emphasis on the chief influences and writers. (One hour credit.)

### Evidences of Religion.

1. **Christian Revelation; The Church.** Revelation in general; Christianity a revealed religion; Patriarchal and Mosaic Revelation; divine origin of the Christian Revelation. The Church; its institution and end; Constitution of the Church. (One hour credit.)

2. **The Church; God and Salvation.** Marks and Teaching office of the Church; Holy Scripture and Tradition; the rule of Faith. God the Author and Restorer of our salvation; God considered in Himself; One in Nature; His Existence, Nature, Attributes, Unity; The Trinity. (One hour credit.)

3. **Creation and Redemption.** Creation; the spiritual world; the material world. Man and the Fall. God the Redeemer; the Person and Nature of the Redeemer; the work of Redemption. (One hour credit.)

**4. Grace and the Sacraments.** Actual, habitual and sanctifying grace; infused and acquired virtues; Pelagianism, Jansenism, Naturalism and other errors refuted. The Sacraments in general; Baptism; Confirmation; the Holy Eucharist as a Sacrament and as a Sacrifice. (One hour credit.)

**5. The Sacraments; Morality and Virtue; Eschatology.** The Sacraments of Penance, Extreme Unction, Holy Orders and Matrimony; Sacramentary errors refuted. The basis of morality; law, conscience and free will; moral good and moral evil. The Christian's duties toward God; natural and supernatural virtues; Faith, Hope and Charity; the Last Things. (One hour credit.)

**6. Divine Worship; Christian Perfection.** Internal and external worship due to God; direct and indirect acts of worship; veneration of the Saints. The Christian's duties toward self and neighbor; works of supererogation. (One hour credit.)

**7. Sacred Scripture.** Biblical Canonics and Hermeneutics. Fact, nature and extent of inspiration. The Bible and Science. Explanation of difficulties drawn from geology, astronomy, biology, paleontology and evolution. (One hour credit.)

**8. Scripture Reading.** Readings from the Old and New Testament; comparative study of Greek text, and Latin and English versions. (One hour credit.)

### French.

**A. Elementary French.** Careful drill in pronunciation. The rudiments of grammar, including the inflection of the regular and more common irregular verbs; the order of words in the sentence; colloquial exercises; writing French from dictation; easy themes; conversation. First semester. (Four hours credit.)

**B. Elementary French.** (Continued) Mastery of irregular verb forms; uses of the conditional subjunctive; syntax. Reading of graduated texts, with constant practice in retranslating into French portions of the text read; dictation, conversation. Second semester. (Four hours credit.)

**C. Intermediate French.** Reading, conversation, prose, composition, letter-writing, exercises in French syntax. Prerequisite: French A and B or equivalents. First semester. (Four hours credit.)

**D. Intermediate French.** (Continued.) Grammar review, with special attention to problems in syntax. Detailed written abstracts of texts read. Letter-writing. Conversation. Second semester.



Texts: Bruno, *Le Tour de la France*; Sarcey, *Le Siège de Paris*; Renard, *Trois Contes de Noël*; Labiche and Martin, *Le Voyage de M. Perrichon*; Fortier, *Napoléon*; Chateaubriand, *Les Aventures Du Dernier Abencerage*. (Four hours credit.)

**5. Modern French Prose.** The study of novels or short stories by modern French prose writers: Erckmann-Chatrian, Bazin, Chateaubriand and others. Grammar and composition based on a French text. (Three hours credit.)

**6. French Poetry of the Nineteenth Century.** Readings from Alfred de Vigny, Alfred de Musset, Lamartine and others, with an introduction to French versification. Selections committed to memory. (Three hours credit.)

**7. French Oratory.** A study of the French orators and their works; Bossuet, Bourdaloue, Massillon, Fléchier; prose composition; private reading. (Three hours credit.)

**8. The French Drama.** The reading of dramas chosen from such authors as Corneille, Molière, Racine, together with a study of their lives and works. (Three hours credit.)

**9. History of French Literature.** A general survey of the history of French literature from its earliest beginnings to the close of the reign of Louis XIV; collateral reading. (Three hours credit.)

**10. History of French Literature.** A general outline of the literature of the seventeenth, eighteenth and nineteenth centuries, dealing only with writers of first importance. (Three hours credit.)

## Geology.

**1. Dynamical and Structural Geology.** Atmospheric, aqueous and igneous agencies and their work. Rivers. River and marine deposits. Glaciers. Earth movements. Volcanoes. Earthquakes. Classification of rocks. Metamorphism. Mineral deposits. Coal, oil and natural gas. Mountain formation and topography. (Three hours credit.)

**2. Historical Geology.** Evolution of the earth. Fossils and their significance. Geological eras, periods, epochs and corresponding systems. The prevalent species of plants and animals of the successive geological ages. The advent of man. (Three hours credit.)

## German.

**A. Elementary German.** This course is intended for students who have not presented German for admission. Grammar, pronunciation, colloquial exercises, easy themes, translation from prose selections. First semester. (Four hours credit.)

**B. Elementary German.** (Continued.) Weak and strong verbs; the use of the model auxiliaries; the chief rules of syntax and word-order; selections in prose and verse; dictation based upon the readings; frequent short themes; conversation; memorizing of poems.

Readings: Baumbach, *Der Schwiegersohn*; Storm, *Immensee*; Arnold, *Fritz auf Ferien*; Wildenbruch, *Das edle blut*.

(Four hours credit.)

**C. Intermediate German.** Rapid review of grammar; dictation; prose composition. Open to students who have credit for German A and B, or who have presented elementary German for admission. First semester. (Four hours credit.)

**D. Intermediate German.** (Continued.) The more difficult points of syntax; special problems of grammar. Reading of selected texts. Dictation and themes based upon the reading. Memorizing of poems. Second semester.

Readings: Schiller, *Wilhelm Tell*; Goethe, *Herman and Dorothea* and *Iphigenie*; Uhland's Poems. (Four hours credit.)

**5. German Prose Writers.** The study of novels or short stories by German prose writers; Freytag, Hauff, Herbert, Stifter, Novalis, Brentano, Eichendorff. (Three hours credit.)

**6. German Poetry.** Readings from German ballads and lyrics. Selections committed to memory. (Three hours credit.)

**7. The German Epic.** *Dreizehnlinden*, Weber; *Der Trompeter von Säkkingen*, Scheffel; selections from other epic poems. (Three hours credit.)

**8. The German Drama.** Dramas of Goethe, Schiller and Lessing. Selections from *Ansengruber*, Hebel, Wildenbruch. (Three hours credit.)

**9. History of German Literature.** A general survey of the history of German literature from its earliest beginnings to the period of Frederick the Great; collateral reading. (Three hours credit.)

**10. History of German Literature.** A general outline of the literature of the eighteenth and nineteenth centuries, dealing mainly with the writers of the first importance. (Three hours credit.)

**11. Scientific Reading.** For students preparing for scientific courses which require a facility in the reading of scientific literature. Prerequisite: German A and B.

Text: Dippold's Scientific German Reader, current scientific literature; monographs. One semester. (Two hours credit.)

### Greek.

**A-B. Elementary Greek.** The course is intended for those who enter without Greek. Benner-Smyth, *Beginners' Greek Book*; Xenophon, *Anabasis*; prose composition based on Xenophon. Four hours. Both semesters. (Eight hours credit.)

**1. Homer.** Selected portions of the *Iliad* or *Odyssey*; Homeric Dialect; outline of Greek epic poetry. First semester. (Three hours credit.)

**2. Plato.** The *Apology* and one of the *Dialogues*. New Testament, selections. Second semester. (Three hours credit.)

**3. Demosthenes.** *Philippics*; *The Crown*; history of the development of Greek oratory. First semester. (Three hours credit.)

**4. Sophocles; Aeschylus.** Sophocles, *Antigone* or *Oedipus Tyrannus*; Aeschylus, *Prometheus*, with lectures on Greek drama. Second semester. (Three hours credit.)

**5. Euripides; Aristophanes.** Euripides, *Medea* or *Alcestis*; Aristophanes, *Frogs* or *Clouds*, with lectures on the Greek comedy. (Three hours credit.)

**6. Lyric and Pastoral Poets.** Pindar and Theocritus. Pindar, selected *Epinicia*; Theocritus, selected *Idyls*. Selections from the Greek Anthology. (Three hours credit.)

**7. Herodotus.** Selections from Books I, VII, VIII and IX. Lectures on the early logographers and the beginnings of Greek prose. (Three hours credit.)

**8. Thucydides.** Selections, especially the *Sicilian Expedition*, Books VI-VIII. Lectures on the Greek historians and historical sources. (Three hours credit.)

**9-10. Prose Composition.** Practice in the writing of simple Greek. Both semesters. (Two hours credit.)

**11-12. Prose Composition.** An advanced course. Both semesters. (Two hours credit.)

**13. History of Greek Literature.** A general course in Greek Literature. One semester. (Two hours credit.)

### History.

1. **Western Europe from the Renaissance to 1815.** Sophomore or Junior year. First semester. (Three hours credit.)

2. **Western Europe Since 1815.** Sophomore or Junior year. Second semester. (Three hours credit.)

Courses 1 and 2 are prerequisite to all other history courses and, in view of their cultural and informational value, are required of all undergraduates. Ordinarily taken in Sophomore or Junior year.

Method of instruction is typically the informal lecture based on textbooks recommended by the Department and supplemented by oral recitations, quizzes, class-room discussion, collateral reading, written tests and occasional research tasks in the library. At least two papers designed to afford practice in original presentation of historical data are required in each course.

3. **English History to the Death of Elizabeth (1603).** The fusion of Saxon and Norman elements and the gradual advance towards national consciousness with special reference to the growth of political and social institutions; the jury system, the common law, the great charters and the rise of representative government; Tudor despotism and the significance in English history of Elizabeth's reign.

With England (800-1500) taken as a vertical section of the mediaeval world, the civilization of which was homogeneous to a marked degree in all the countries of Western Europe, and with the more important events and movements of the Middle Ages grouped around England as one of the chief participants therein, this course becomes similar in scope to a general course in mediaeval history. Junior or Senior year. First semester.

(Three hours credit.)

4. **English History from the Death of Elizabeth.** The Stuarts and the great struggle for popular and constitutional rights; the cabinet system of government and the rise of political parties; the Industrial Revolution and the building of the British Empire; the spread of democratic ideas, the British Empire today and the problems before it.

Courses 3 and 4 aim to present English History especially as a background and starting point for the study of American History. With informal lecture and textbook as the basis of instruction, stress is laid on the use of source-material and on methods of historical research and composition. (At least two papers designed to embody results of collateral reading and comparison of selected sources are required in Courses 3, 4, 5, 6, 7, 8.) Junior or Senior year. Second semester.

(Three hours credit.)



**5. American History to the Reconstruction Period.** This course, with the following, aims to bring into relief the outstanding influences that have shaped the history of the United States from the Colonial Period to our own, stressing for this purpose topics of import for the social, economic and political development of the nation. Junior or Senior year. First semester. (Three hours credit.)

**6. American History since the Reconstruction Period.** Supplementary to Course 5, with similar aims and methods of instruction. Bears in its later phases on conditions and circumstances that led to America's participation in the Great War, with the resulting stimulus to a clearer national consciousness of the significance and value of American citizenship. Junior or Senior year. Second semester. (Three hours credit.)

**7. Ecclesiastical History.** Origin and early expansion of Christianity; persecutions; heresies; Councils; mediaeval union of Church and State; foreign missions, mediaeval and modern; disruption of Christian unity in the sixteenth century; the papacy and the popes. The course aims to show in sequence the reverses and vicissitudes of the spiritual kingdom of Christ. Junior or Senior year. One semester. (Three hours credit.)

**8-9. Special Topics in European History.** Courses dealing intensively with certain outstanding events, movements and institutions of direct bearing on the history of the Church. Topics thus treated will be, among others, the Origin and Early Influence of the Papacy, the Temporal Power of the Popes, the Holy Roman Empire, the Controversies over Investitures, Mediaeval Religious Life, the Mendicant Friars, Mediaeval Universities, the Great Schism, the Collapse of Religious Unity in the Sixteenth Century, the Catholic Reaction, Missionary Enterprise in Asia and America, etc. Research courses giving opportunity to the student to deal freely with source-material and to compare his findings with the treatment of the topics in the best secondary authorities. Senior year. Both semesters. (Six hours credit.)

**10. Contemporary History.** A course aiming to apply the methods of historical evidence and research to current events. Senior year. One semester. (Two hours credit.)

**11. Historical Methods.** The principles of historical evidence, the processes of historical research, scientific method in history, the rival claims of literature and science in historical composition, biography. Senior year. One semester. (Two hours credit.)

## Latin.

**A-B. Elementary Latin.** Daily practice in oral and written themes; essentials of syntax. First semester. Caesar De Bello Gallico, four books; thorough study of syntax with frequent themes. Bennett's New Latin Prose Composition. Second semester.

(Four hours credit.)

**C. Cicero; Sallust.** Orations against Catiline I-III; selections from De Senectute and the Bellum Catilinae. Themes from Bennett's New Latin Prose Composition.

(Four hours credit.)

**D. Vergil; Cicero.** Aeneid, translation and interpretation with studies in Greek and Roman mythology; Cicero, Pro Lege Manilia. Themes as in Course C.

(Four hours credit.)

The above courses, A, B, C, and D, are intended for students who enter with insufficient preparation in Latin, but will not be accepted in fulfillment of the required college Latin.

**1. Vergil; Horace.** Vergil, Aeneid VII-XII, selections; Horace, Ars Poetica. Selections from Christian Hymnology. First semester.

(Three hours credit.)

**2. Livy.** Book XXI; Book XXII, selections; a study of Livy's style; elements of change from the prose of the Ciceronian age. Second semester.

(Three hours credit.)

**3. Horace; Cicero.** Horace, selected Odes and Epodes; Cicero, Pro Milone, with special references to its rhetorical and argumentative qualities; De Amicitia or De Senectute. First semester.

(Three hours credit.)

**4. Horace; Tacitus.** Horace, selected Epistles and Satires; a study of the chief characteristics of Roman satire; Horace's philosophy of life; Tacitus, Agricola and Germania; the prose of the Empire. Second semester.

(Three hours credit.)

**5. Cicero; Juvenal.** Cicero, Quaestiones Tusculanae, with a study of his position as a philosopher; Juvenal, selected Satires. One semester.

(Three hours credit.)

**6. Plautus; Terence.** Selected plays. One semester.

(Three hours credit.)

**7. Pliny; Seneca.** The letters of Pliny the Younger, with a study of literary and social conditions at the end of the first century after Christ; Seneca, selected letters. One semester.

(Three hours credit.)

**8. Roman Political Institutions.** The king, the gentes, the patricians, the clients; the rise and growth of the Republican Constitution, the senate, the magistracies, the people, the assemblies, etc. One semester.

(Two hours credit.)

**9. Latin Composition.** Principles of Latin idiom and style. Kleist's Aids to Latin Composition. Required of students taking Courses 1 and 2, first semester. (One hour credit.)

**10. Latin Composition.** A continuation of Course 9, Second semester. (One hour credit.)

**11. Latin Writing.** Advanced course. Translation of selected passages from English classic authors. Kleist's Practical Course in Latin Composition. Intended to accompany Courses 3 and 4. First semester. (One hour credit.)

**12. Latin Writing.** A continuation of Course II. Second semester. (One hour credit.)

**13. Ecclesiastical Latin.** Hymns and homilies, selected from the Breviary and other sources. One semester. (Two hours credit.)

**14. History of Roman Literature.** A general course in Roman Literature. One semester. (Two hours credit.)

### Mathematics.

**A. Advanced Algebra.** A course for those who present but one unit of Algebra for entrance to college. The work starts with a review of Elementary Algebra, and then takes up such subjects as are usually given in a third-semester high-school course of Algebra. Can be counted only as an elective. (Two hours credit.)

**B. Solid Geometry.** A course for those who have not had solid geometry in high school. Cannot be counted in fulfillment of the requirements in Mathematics. (Two hours credit.)

**1. College Algebra.** After a brief review of the foundations, the following topics are treated; variables and functions, linear and quadratic equations, determinants, logarithms, undetermined coefficients, complex numbers, binomial theorem, theory of equations, and series. For Freshmen. Prerequisite: Entrance Algebra, one and one-half units; and Plane Geometry. (Three hours credit.)

**2. Plane Trigonometry.** The six elementary functions for acute angles; goniometry; solution of the right and oblique triangles; graphs of the functions and solution of simple trigonometric equations. For Freshmen. (Three hours credit.)

**3-4. Algebra; Trigonometry; Analytic Geometry.** A course in unified mathematics, embracing the topics of Algebra and Trigonometry outlined above, and the elements of Analytic Geometry. Open to Freshmen, who present at least two and one-half units for entrance. (Six hours credit.)

**5. Spherical Trigonometry.** The right spherical triangle, Napier's rules, formulas and methods for the solution of the general triangle. Open to students who have had Mathematics 2.

(Two hours credit.)

**6. Surveying.** The theory, use and adjustment of instruments; methods of computation and arrangement of data; practical field work and topographic map-making.

(Three hours credit.)

**7. Plane Analytic Geometry.** Loci and their equations. The straight line; the circle; the parabola, ellipse, and hyperbola; transformation of co-ordinates; polar co-ordinates. Open to Sophomores and Juniors.

(Three hours credit.)

**8. Solid Analytic Geometry.** An introductory treatment of the point, plane, straight line, and surfaces of revolution. Open to Sophomores and Juniors.

(Three hours credit.)

**9. Differential Calculus.** Fundamental notions of variables; functions, limits, derivative and differentials; differentiation of the ordinary algebraic, exponential and trigonometric functions with geometric applications to maxima and minima, inflexions, and envelopes; Taylor's formula. Open to Sophomores and Juniors.

(Three hours credit.)

**10. Integral Calculus.** The nature of integration; elementary processes and integrals; geometric applications to area, length, volume and surface; multiple integrals; use of infinite series in integration; introduction to differential equations. Open to Sophomores and Juniors.

(Three hours credit.)

**11. Methods of Teaching Mathematics.** A course for those who expect to teach high-school mathematics. Open to students who have completed Mathematics 8 and 9. Will not be counted towards a major.

(Two hours credit.)

## Philosophy.

**1. Formal Logic.** This will comprise the customary treatment of formal logic with added emphasis on inductive reasoning and the informal reasoning of everyday life and of literature. Required of Juniors. One semester.

(Three hours credit.)

**2. Introduction to Philosophy.** This course sets before the student the meanings and scope of philosophy and introduces him to the principal problems of philosophic discussion; the problem of reality, the problem of knowledge and the problem of conduct. One semester.

(Three hours credit.)



3. **Psychology.** Beginning with an explanation of the cerebro-spinal nervous system, this course leads on to the study of the phenomena of sensuous life; sense perception, imagination and memory, sensuous appetite, movement and feeling. Required of Juniors. First semester. (Three hours credit.)

4. **Psychology.** A continuation of Course 3, embracing the study of the phenomena of rational life; the origin and development of intellectual concepts, rational appetency, free-will and determinism. The latter part of the semester is given to rational psychology: the origin, nature and destiny of the human soul, the union of the soul and body. Required of Juniors. Second semester. (Three hours credit.)

5. **Metaphysics.** In this course are treated the subjects usually included under Ontology and Cosmology: the notions of being, act and potency, substance and accident, relation and cause; the origin of the material universe; the constitution of inorganic bodies, organic life, the laws of physical nature, miracles. Required of Seniors. First semester. (Three hours credit.)

6. **Metaphysics.** The first part of this course is devoted to Natural Theology, including: the idea of God, the proofs for the existence of God, the attributes of God, and free-will, the divine action in the universe, providence.

The second part of the course is taken up with questions of epistemology: truth and error, the nature of fact of certitude, the value of human testimony, the criterion of truth. Required of Seniors. Second semester. (Three hours credit.)

7. **Ethics.** In this course are treated the subjects belonging to general theory; the nature of the moral act, the distinction between moral good and moral evil, moral habits, natural and positive moral law, conscience, rights and duties. Required of Seniors. First semester. (Three hours credit.)

8. **Ethics.** The application of the general principles of ethics to particular, individual and social rights and obligations: the right to property, life, honor; the rights and obligations of domestic society, marriage and divorce; civil society, its nature and forms; the rights of civil authority; church and state; the ethics of international relations, peace and war. Second semester. (Three hours credit.)

9. **History of Ancient Greek Philosophy.** In ancient Greek philosophy attention is directed primarily to the teachings of Socrates, Plato and Aristotle and to the systems of Stoicism and Epicureanism. Plotinus is taken as representative of the Alexandrian

movement; and St. Augustine, is studied as the most conspicuous example of the early Christian philosopher. This course is carried on by means of lectures and recitations and the reading of representative selections. Turner's History of Philosophy is used as the basis of lectures and recitations. First semester.

(Three hours credit.)

**10. History of Mediaeval and Modern Philosophy.** In the study of mediaeval philosophy attention is centered on the origin and development of Scholastic philosophy and on the system of St. Thomas as the most complete synthesis of mediaeval thought. In the division of modern philosophy, Descartes, Locke, Hume, Kant, Hegel and Spencer are taken for special study. Among present day tendencies, the revival of Scholasticism and the trend towards realism are noticed. De Wulf's Mediaeval Philosophy is made the basis of the treatment of scholastic Philosophy and Turner's History of Philosophy is used as the text for modern systems. Lectures, recitations, readings and discussions. (Two hours credit.)

**11. Experimental Psychology.** A laboratory course dealing with phenomena of sense-perception and attention.

(Three hours credit.)

### Physics.

**1-2. General Physics.** Mechanics, Sound, Light, Heat, Magnetism and electricity. Must be preceded or accompanied by a course in Plane Trigonometry.

**1a-2a.** Lectures, experimental demonstrations and recitations, two hours per week. Both semesters. (Four hours credit.)

**1b-2b.** Laboratory, four hours per week. Both semesters. (Four hours credit.)

**3-4. General Physics.** A more mathematical and more complete treatment of the general principles of the subject than that given in 1-2. Should be preceded or accompanied by a course in Plane Trigonometry.

**3a-4a.** Lectures, experimental demonstrations, recitations, three hours a week, both semesters. (Six hours credit.)

**3b-4b.** Laboratory two hours a week, both semesters. (Two hours credit.)

**5-6. Advanced Physics.** A more mathematical treatment of Mechanics, Molecular Physics, Light and Heat. Must be preceded or accompanied by a course in Calculus.

Prerequisite Course 1-2 or 3-4. Lectures four hours per week. Both semesters. (Eight hours credit.)

**7-8. Electricity and Magnetism; Radioactivity; the Electron Theory.** Must be preceded or accompanied by Calculus. Prerequisite; Course 1-2 or 3-4. Lecture, four hours per week. Both semesters. (Eight hours credit.)

**9-10. Experimental Physics.** Advanced laboratory work in Mechanics, Molecular Physics, Light and Heat. A few lectures are given on the theory of physical measurements and measuring instruments with special attention to the computation of results. Recommended to be taken in concurrence with Course 3-4.

Six hours per week. Two semesters. Prerequisite, Course 1-2. (Six hours credit.)

**11-12. Experimental Physics.** Advanced laboratory work in Electricity and Magnetism. Accurate measurement of current, resistance, electromotive force, capacity; magnetic properties of iron and steel; use of electrometer and potentiometer; a practical study of the properties of direct and alternating currents and of the principles underlying the construction of dynamo-electric machinery. Six hours per week. Both semesters. Prerequisite: Course 7-8. (Six hours credit.)

**13. Electric Oscillations and Electromagnetic Waves; Radio Communication.** Lectures two hours per week. One semester. Prerequisite: Course 1-2 or 3-4 and a course in Calculus. (Two hours credit.)

## POLITICAL SCIENCE

**1-2. American Government.** First Semester—American National Government. The historical back-ground of the Federal Constitution and of political issues in the United States, and the organization and functions of the National Government. The President. The Cabinet. The Senate. The House of Representatives. The Supreme Court and the Subordinate Federal Courts.

Second Semester—Local and State Government in the United States. The place of the States in the Nation. The State Constitutions. The State Legislature. The State Courts. Organization and functions of administration in counties and cities. Three hours a week, both semesters. (Six hours credit.)

**3-4. Party Politics.** The development of political parties in the United States. Importance of this extra-constitutional element in American Government. Party platforms. Presidential campaigns and elections. The nominating machinery; the presidential primary and the nominating convention. Party patronage. The spoils system and civil service reform. State parties and practical politics in local government. Three hours a week, both semesters. (Six hours credit.)

**5-6. American Government and Party Politics.** A more general course adapted to the needs of students who desire to make a less intensive study of the matter of courses 1-4. Three hours a week; both semesters. (Six hours credit.)

**7-8. Constitutional Law.** Fundamental principles of the United States Constitution viewed in the light of their history, development and application. The making of the Constitution. The Constitution regarded as a grant of power. Federal powers and State powers. The principle of "checks and balances." The doctrine of Judicial Supremacy. Constitutional Limitations on Legislative power. Limits of the Police Power of the States. The Guarantees of the Fourteenth Amendment. Religious Liberty. The Fifteenth Amendment and the Negro Problem. State Constitutions. Three hours a week; both semesters. (Six hours credit.)

**9. Comparative Government.** A comparative study of the governmental organization and administration of the principal European Nations. Three hours a week; one semester. (Three hours credit.)

**10. Principles of Political Science.** Origin and fundamental nature of the state. Its foundation upon the consent of the governed. Its stability. Purpose of government. Nature of right, liberty and law. Three hours a week; one semester. (Three hours credit.)



## Public Speaking.

1. **Principles of Vocal Expression.** Practical training in the fundamentals of effective speaking. Instruction on the management of the breath; methods of acquiring clear articulation; correct and refined pronunciation; direct, conversational and natural speaking; inflection; qualities of voice and their use; purity, range and flexibility of tone. Individual criticism and conference with the instructor. (One hour credit.)

2. **Gesture and Technique of Action.** The study of poise; posture, movement and gesture; spontaneity of expression; correction of mannerisms; power and pathos; ease, grace and effectiveness of delivery. Class exercises, criticism and conferences. (One hour credit.)

3. **Argumentation and Debating.** A practical training for those students who have taken or are taking the course in oratory prescribed under English 5. Thought development; division and arrangement; argumentative, persuasive and demonstrative speeches; a finished argument and the fallacies of argument; the essentials of parliamentary law and practice; manner of conducting deliberative assemblies. Class exercises. Individual criticism and conferences. (One hour credit.)

4. **The Occasional Public Address.** Informal public addresses; the presentation of business propositions before small or large audiences; impromptu and extempore speaking; after-dinner talks. Speeches for various occasions. Class exercises, individual criticisms and conferences. (One hour credit.)

5-6. **Practical Oratory and Debating.** This course is open to all students of the college. Its aim is to afford special training in public speaking. To this end strict parliamentary practice is followed throughout. The literary and oratorical exercises include declamations and elocutionary reading; criticism and discussion of interpretation and delivery; the composition and reading of short stories, poems and essays; orations, illustrative of rhetorical principles; extemporaneous speaking; the knowledge and application of parliamentary law; debates. (Two hours credit.)

## Sociology.

1. **Social History.** A survey of ancient, mediaeval and modern social movements. Social value of Mosaic laws and Christian practice with special emphasis on industrial democracy. A review of

modern reforms, factory legislation, workingmen's compensation, social insurance, profit sharing and industrial co-operation. The Church in modern social problems. (Three hours credit.)

**2. General Sociology.** An introduction to the scientific study of social problems and their relation to the family and the individual. A study of natural resources, population, immigration, labor organization, woman and child labor. Also problems of poverty, crime, housing, with a survey of preventive work relating to the poor, defectives and delinquents. (Three hours credit.)

**3. Social Ethics.** An application of Christian ethics to economic and social phenomena. The origin and development of the family, marriage, and the social order. The ethics of property, liberalism, socialism and communism; capital and labor combines, strikes, lockouts and boycotts; public ownership and control; monopolies and modern finance; public health, control of education, traffic, etc. (Three hours credit.)

**4. Organized Charity.** A study of conditions affecting the family and community. Social treatment and application in the case of dependents and delinquents. The purposes and methods of investigation, diagnosis and treatment studied by means of selected cases. Co-operation of public and private agencies is studied, and inspection visits made to important institutions. (Three hours credit.)

## Spanish.

**A-B. Elementary Spanish. Grammar:** De Vitis. Parts of speech; regular conjugations; study of the Indicative Mood, difference of tense meanings; Imperative; use of the simpler idioms. Pronunciation, composition and conversation. Pittaro's Spanish Reader. Credit not given unless the full course is completed. (Four hours credit.)

**C-D. Intermediate Spanish.** Advanced grammar; idiomatic uses of the prepositions; irregular verbs, verbs requiring a preposition. Composition and conversation. Reading: Alarcon, El Capitan Veneno; Colona, Lecturas Recreativas. (Three hours credit.)

**5-6. Composition and Conversation.** Open to students who have completed Course A-B or who have presented two units of Spanish for admission. Cool: Spanish Composition and Conversation; Valers, El Pájaro verde; Alarcon, Novelas Cortas. Two hours, both semesters. (Four credit hours.)

**7. Commercial Spanish.** Must be preceded by or taken concurrently with Spanish C-D. Practice in colloquial Spanish, commercial forms, letter-writing and advertisements. Luria, *Correspondencia Commercial*; current journals and other literature.

(Three credit hours.)

**8. Classical Prose.** Selections from Cervantes, *Don Quijote de la Mancha*; St. Theresa, *Life*; Ribadeneira, *Historia del Cisma de Inglaterra*, selections. Kelly, *History of Spanish Literature*.

(Three hours credit.)

**9. Classical Poetry.** Fray Luis de León, *poesias*; *Romancero general* (Durán); Jorge Manrique, *Coplas*, selections.

(Three hours credit.)

**10. Modern Prose.** Luis Coloma, *Jeromín*, *Boy*, *La Reina Martín*; José María Pereda, *Peñas arriba*, *Cuentos y novelas*; *Saj*, *Europa salvaje*; Fernán Caballero, *La Gaviota*, *Clemencia*; *Valbuena*, *Estudios criticos*.

(Three hours credit.)

**11. Modern Poetry.** Selections from the writing of Alberto Risco, José Selgas, Nuñez de Arce, Zorilla.

(Three hours credit.)

**12. Spanish Drama and Oratory.** Classical period; selections from the writings of Calderón and Lope de Vega. Modern period: Tamayo y Baus, *Los hombres de bien*, *Lances de honor*; Nuñez de Aroe, *El haz de leña*. Oratory. Donoso Cortés and Nocedal, *Discursos*.

(Three hours credit.)

## Geophysical Observatory

### Seismological and Meteorological Divisions

DIRECTOR: J. B. GOESSE, S. J.

Seismology and Meteorology with their kindred branches offer vast fields for scientific research. Jesuit institutions like those of Manila, Zikawei, Havana, and Ebro-Tortosa, have earned world-wide recognition for their work in geophysical problems. St. Louis University is trying to emulate their example.

### Activity in Radio Communication.

Wireless communication, both telegraphic and telephonic, has become an educational factor and as such it cannot be neglected by educational institutions. St. Louis University early realized its possibilities, and became a pioneer in establishing Radio courses in its curriculum. From small beginnings, wireless activity in its science halls has developed one of the best equipped stations in the middle West.

In 1910 Meteorological and Seismological Observatories were erected and experiment proved that wireless communication could materially assist, both in determining atmospheric conditions and perfecting a time service, which would eliminate the general complaint of incorrect time determination of seismograms. Accordingly, a small receiving apparatus was purchased, and in the hope that news of occurring earthquakes could more speedily be communicated to seismic stations, a transmitting apparatus was installed, two 50-foot towers erected on top of buildings and a 350-foot antenna, consisting of 6 wires, stretched. Improvements were made from time to time, new units added to the outfit, and its general usefulness increased. This activity, however, came to an abrupt termination when war was declared and the station had to be dismantled.

After an interval of four months, the War Department, being solicitous to mobilize every possible resource, requested the University to open a school which was to prepare young men of draft age for the duties of radio operators and line telegraphers in the Signal Corps of the Army and Navy. Lectures and laboratory on the fundamentals of electricity and radio telegraphy accompanied instruction in the code. The school continued till the signing of the armistice, November, 1918, when its services were no longer required. The total number enrolled reached 419, of which 131 entered service in the Signal Corps, 93 in the Aviation Corps, 59 in the Naval service and the rest in other branches.



When the Government's restrictions were removed, October 1, 1919, the Radio station of the University was reorganized, licenses renewed and 9 YK, the station's new call letters, was ready for operation.

Then arrived a period of activity during which the radio station was destined to give its best service by means of radio telephone. The advantage of radio telephony over radio telegraphy is obvious. Inasmuch as the spoken word is transmitted and received at the distant station, a direct personal contact between the persons communicating with each other is established and the possibility of settling matters more speedily without the necessity of understanding the code or employing a skilled operator. This and other considerations resulted in the installation of a radio telephone. In order that its benefits should be made serviceable to the public, an offer was made to the U. S. Weather Bureau to broadcast the daily weather forecasts, which was readily accepted. Towards the end of April, 1921, the President of the University radiophoned the first official weather report, and this forecast since has been a feature of the regular morning message.

Business men requested the University to send out the daily market and crop report, and this service was established. The service includes the estimated receipts of live stock at public stock yards, which is sent out in the forenoon, and at the closing of the markets in the afternoon the quotations are broadcasted on live stock, grain market, fruit and vegetables, and other produce that may be of interest to certain sections. This work is done in co-operation with the United States Bureau of Markets and Crop Estimates.

### **Department of Physical Education.**

Realizing that wholesome athletics are a natural outlet for the exuberance of youth, the University has assumed the responsibility of proper guidance of these activities in

the student body. Under the direction of members of the faculty, such healthful exercises as track competitions, baseball, basketball and football are not only encouraged, but are so supervised as to bring about the best results in the various branches of sport undertaken.

To this end competent coaches, trainers and other specialists in the development of athletic skill and proper care of the human body are selected by the Department of Physical Education, which also passes on all matters of intercollegiate sports and contests. All questions of the eligibility of members of the student body to represent the University in competition are decided by the members of this department, which also has complete authority as to schedules of contests in baseball, football, track events, basketball and other forms of generally recognized college athletics.

### Undergraduate Degrees

The following degrees are conferred:

A. B., Bachelor of Arts;

B. S., Bachelor of Science;

Ph.B., Bachelor of Philosophy.

The A. B. degree is conferred if the candidate's course has included two years of college Latin.

The B. S. degree is conferred on one who has concentrated his studies, particularly during the last two years of college, on Science or Mathematics. The degree of B. S. in Medicine is conferred upon the completion of two years of Medicine, provided, of course, that the student before entering the Medical School has completed two years of college work.

The Ph. B. degree is conferred on candidates whose chief work has been in one or two of the following departments: Philosophy, History, English Literature, Economics, Political Science, Education, Sociology.

No degree, with the exception of that of Doctor of Laws (LL. D.), is given *honoris causa*.

### Requirements for the Baccalaureate Degrees.

The conditions for the Baccalaureate degrees are the following:

1. The satisfactory completion of the four years' course leading to the degree for which the student is a candidate.
2. A written thesis approved by the Dean of the College and presented on or before April 15th of the year in which the degree is expected to be conferred.
3. All work in order to be accepted in fulfillment of any requirement for the degree must be completed with grade D (70—76) or over, and three quarters of the work must be of grade C (77—84—) or above.
4. A fee of ten dollars payable in advance.

### Graduate Degrees.

Requirements for the A. M. degree:

1. The candidate must have an A. B. degree from an institution of good standing and must devote one year exclusively to resident graduate study, completing twenty-four semester hours. Two years will be required if the candidate's whole time is not devoted to study.
2. The work must ordinarily embrace one principal and one or two secondary subjects. It must involve concentrated work in some special field of study in such subjects as Philosophy, History, Economics, Law, Classics, English, Mathematics, Physics, Chemistry, Biology. Advanced courses given in the professional schools of St. Louis University will be accepted in partial fulfillment of requirements for the A. M. degree, but under no circumstances may a candidate count these same courses toward a professional degree.
3. The candidate must pass a satisfactory examination in all the subjects studied.
4. He must present a typewritten or printed thesis in his major subject.

5. A fee of \$10.00 is to be paid in advance.

*b.* The degree of Master of Science, M. S., is conferred under the same conditions as above when the major subject of study has been scientific.

*c.* Requirements for the degree of Doctor of Philosophy —Ph. D.:

The degree is conferred on one who, having previously received the Bachelor's degree from an institution of good standing, satisfies the following requirements:

1. At least three years of resident graduate work in pursuance of an accepted course of study. The course in question must include one principal and one or two secondary subjects. A reading knowledge of French and German is a prerequisite.

2. A satisfactory examination upon the work done in preparation for the degree.

3. The presentation of a satisfactory printed thesis. The chief consideration is that the candidate be able to produce valuable and original work. His thesis must therefore give evidence of ability to conduct independent and original research.

4. Such knowledge of subjects considered fundamental as may be prescribed by the several departments.

### Notes on Degrees.

1. The pursuit of professional studies with a view to a professional degree can under no circumstances be counted in fulfillment of the requirements for the A. M. degree.

2. The granting of degrees is decided by the committee on degrees.

### Honors and Prizes

HONORS. As the examinations are competitive, the combined examination and classwork record is publicly proclaimed in the Semi-Annual Assemblies at which all the students



must be present. Honors and prizes at the close of the year are determined by the combined results of the classwork and examinations of the student. A student who fails in any subject at the semester examinations is thereby disqualified from all honors. Those whose average is 90% and upward, merit the distinction of First Honors, and those whose average is between 85% and 90%, Second Honors.

**INTERCOLLEGIATE ENGLISH PRIZE.**—A purse of \$100.00 (\$50 for the first prize, \$20 for the second, \$15 for the third, \$10 for the fourth and \$5 for the fifth) is offered yearly by Mr. D. F. Bremner, of Chicago, for excellence in English essay writing. The purse is open to competition of the Jesuit Colleges of the Missouri Province, which are:

St. Louis University, St. Louis, Mo.  
St. Xavier College, Cincinnati, O.  
St. Ignatius College, Chicago, Ill.  
St. Mary's College, St. Mary's, Kas.  
Creighton University, Omaha, Neb.  
University of Detroit, Detroit, Mich.  
Marquette University, Milwaukee, Wis.  
St. John's College, Belize, British Honduras.  
St. Ignatius College, Cleveland, O.  
St. John's College, Toledo, O.  
Campion College, Prairie du Chien, Wis.  
Rockhurst College, Kansas City, Mo.  
Regis College, Denver, Colo.

**INTERCOLLEGIATE LATIN PRIZE.**—For the best Latin essay for competitors of the same colleges, a gold medal is offered by Very Rev. F. X. McMenamy, S. J., Provincial.

**GILFILLAN CATECHETICAL MEDAL.**—A gold medal for the best catechetical essay is offered by Rev. Francis Gilfillan, S. T. L., Rector of the Cathedral, St. Louis.

**MOSER ORATORICAL MEDAL.**—A gold medal for the best oration is offered by Mr. Leo Moser, St. Louis.

**LATIN MEDAL.**—A gold medal for the best Latin essay by a member of the Undergraduate Department.

**BYRNES PHILOSOPHICAL MEDAL.**—A gold medal for the best philosophical essay is offered by Mr. James W. Byrnes, St. Louis.

**CHURCH ELOCUTION MEDAL.**—A gold medal for the successful contestants in the Public Elocution contest is offered by Mrs. Alonzo C. Church, St. Louis, in memory of the late Mr. Alonzo C. Church.

**TANNRATH PHILOSOPHY MEDAL.**—A gold medal for Highest Honors in Junior Class of Philosophy is offered by Rt. Rev. John J. Tannrath, Rector of the Old Cathedral, St. Louis.

**MCCARTHY SHORT STORY MEDAL.**—A gold medal for the best short story published in a current magazine by a student in the Classical Course of the College of Arts, is offered by Mr. Leo D. McCarthy, St. Louis.

**SCANLAN COLLEGIATE MEDAL.**—A gold medal for Highest Honors in Sophomore Class is offered by Philip C. Scanlan, St. Louis.

**WALSH COLLEGIATE MEDAL.**—A gold medal for Highest Honors in Freshman Class is offered by Mr. Edward J. Walsh, St. Louis.

### Scholarships

In the **Collegiate Department** an Annual Scholarship is provided by the donation of \$100.00. A permanent scholarship which entitles the founder at all times to keep one scholar, designated by him and acceptable to the Faculty, free at the University, is founded by the gift of \$2,500. If the founder fails to name an incumbent, the scholarship will be conferred at the discretion of the Faculty.

**The James J. Butler Scholarships.** The sum of \$5,000 was donated by Mrs. James J. Butler in memory of Mr. James J. Butler, to found permanent Scholarships in the Classical Course. The beneficiaries of these scholarships are to be designated by the Faculty of the University.

The **Peter K. Lanahan Scholarships.** Mr. Thomas W. Lanahan, who had already founded a permanent scholarship in the Classical Course in memory of his brother Peter K. Lanahan, has donated the sum of \$1,000 towards founding a second scholarship.

The **William J. Cornet Scholarships.** In accordance with the wishes of Mr. William J. Cornet, A. B., '93, the family of the deceased has founded two permanent scholarships in the Classical Course, the beneficiaries of the same to be designated by the Faculty of the University.

The **Joseph Dodd Hartnett Scholarship.** The sum of \$2,500 was donated by the **Hartnett Family** to found a permanent scholarship, in memory of **J. Dodd Hartnett**, a former student of St. Louis University, the beneficiary of the same, preferably a youth showing inclination for the priesthood, is to be designated by the Faculty of the University.

The sum of \$100 was given by Mr. Philip C. Scanlan for an annual scholarship in the College Department, this scholarship to be known as the **Mary F. Scanlan Scholarship.**

### Annual Scholarships

An annual scholarship is offered by:

St. Ann's Sodality of the College Church.

Children of Mary of the College Church.

Miss Mary E. Lynch.

Friend of St. Xavier's Parish.

Friend of St. Xavier's Parish.

Miss Smith.

Seminary and Normal  
Course



## St. Stanislaus Seminary and Normal Course

### Officers and Faculty

Rev. John L. Mathery, S. J., President of Seminary.

Rev. John J. Brown, S. J., Chaplain.

Rev. James I. Doyle, S. J., A. M., Professor of English,  
Special Pedagogics and Public Speaking.

Rev. James J. Doyle, S. J., A. M., Dean, Professor of Latin  
and Pedagogy.

Augustine D. Ellard, S. J., A. M., Instructor in Greek.

Rev. Arnold J. Garvy, S. J., A. M., Professor of English.

Rev. Albert B. Greuter, S. J., A. M., Student Adviser.

Rev. Francis P. Kemper, S. J., A. M., Professor of Greek  
and History of Education.

Rev. William A. Mitchell, S. J., Professor of Religion and  
Asceticism.

Rev. Francis X. Nebrich, S. J., A. M., Professor of Greek  
and Public Speaking.

### St. Stanislaus Seminary

St. Stanislaus Seminary, though under separate management and financially not connected with the University, is affiliated to it in its academic work, and all its courses are credited towards the obtaining of degrees. There are courses in Classics, English, Education and Public Speaking, open to members of the Jesuit order only. The minimum prerequisite of academic work is the completion of a standard high school requiring four years of Latin. As a rule fully three-fourths of the students have one or more years of college work to their credit before being admitted to the school. The regular course of religious and academic training comprises four years, the first two of which are largely devoted to religious exercises for the purpose of moral training and of developing those qualities of heart and character that are so important in any teacher but most of all in the religious teacher. Study and academic instruction are not neglected, both being chiefly directed towards securing a solid foundation for the advanced work of the third and fourth years. These two years are wholly given to scholastic work. Students who are unable to do the work assigned to the last two years in a satisfactory manner within the prescribed time are required to add another year to their course before being allowed to proceed to higher studies.

### Education

1. General history of education. Greek and Roman education; early Christian education; the influence of the fathers of the church on education; the revival under Charlemagne; scholasticism and the rise of universities; humanism; the Jesuits and higher education in the sixteenth and seventeenth centuries; modern secondary education; higher education in the United States.

Three hours.

2. Principles of Education. The aim of education; the aim and scope of secondary education; the aim of Christian education; the curriculum: educative value of the humanities, the sciences, religion, etc.; the doctrine of formal discipline; educative agencies: the home, the school, the church.

Two hours.

3. Methods of Education. The teacher: knowledge, character and personality, judgment; attention, interest; habits; how to study; the lesson; the recitation; special methods in language and literature; the problem of discipline.

Two hours.

### English

#### I. Rhetoric and Literature.

1. Teachers' course in high school English: The rhetoric of the high school, its organization and methods of presentation; the literature to be studied in the high school, its co-ordination with the other branches, its methods of study; the composition in the high school, its gradation and development, methods of correction, standards of evaluation.

Four hours. One semester.

2. Collegiate courses in rhetoric and literature, as outlined in this catalogue, p. 268. These courses are required from undergraduates who have not previously followed and completed them.

Each, four hours. One semester.

3. Advanced English. Seminary courses on special phases of the subject; the origins and development of the language; the life and literature of the various periods; continental and other influences; the national developments, their particular causes and results; the Catholic note in the life and literature.

Two hours.

## II. Public speaking.

The principles and practice of public speaking.

One hour.

2. The composition and delivery of addresses, lectures, familiar instructions, etc., at frequent intervals.

**Greek**

A-B. Elementary Course. Etymology and syntax; Xenophon, *Anabasis*; exercises and themes based on Xenophon.

Eight hours.

1. Teachers' Course in Xenophon and Homer; review of syntax and prosody.

Five hours.

2. Plato. The *Apology* and *Crito*.

Three hours.

3. Demosthenes. *Philippics*; the *Crown*; history of the development of Greek oratory.

Four hours.

4. Sophocles. *Antigone*.

Three hours.

5. Selected Greek Lyrics.

One hour.

6. Simple themes on the rules of syntax.

Two hours.

7. Themes of a more advanced character based on Demosthenes.

Two hours.



### Latin

1. Teachers' Course in Cicero and Vergil; review of syntax and prosody.

Five hours.

2. Livy, Book XXI, and selections from Book XXII.

Four hours.

3. Horace. Selected Odes and Epodes.

Three hours.

4. Horace and Juvenal. Selected Satires, with a study of the characteristics of Roman satire.

Three hours.

5. Christian Hymns, Sacred Latin Poetry from St. Ambrose to the present day.

One hour.

6. Tacitus. Agricola and Germania; other selections from the prose of the empire.

7. Plautus and Terence. Selected Plays.

Three hours.

8. Latin Composition. A course in Arnold-Bradley's Latin Prose Composition. Two hours.

9. Latin Composition. Advanced course consisting of original composition and translation of selected passages from English classic authors.

Two hours.

## College of Arts and Sciences

### Extension Course

#### Faculty

Rev. William F. Robison, S. J., President.

Rev. Michael J. O'Connor, S. J., Acting President of the University.

Rev. Lawrence J. Kenny, S. J., Professor of History.

Rev. Otto J. Kuhnmuensch, S. J., Professor of Latin.

Rev. Joseph A. Murphy, S. J., Professor of Philosophy.

Rev. Albert Muntsch, S. J., Professor of Sociology.

Rev. William J. Ryan, S. J., Director.

Charles Vical, Professor of French.

**Location:** To make the classes more easily accessible, they are held at the Sacred Heart Academy, Taylor and Maryland; at the Visitation Academy, Cabanne place, and St. Elizabeth's Institute, 3401 Arsenal street. The Physics Class is held at the University, Grand and Pine, to afford ample Laboratory Practice.

**Credits:** Each course will give those who successfully complete it two (2) hours' credit toward a degree. Physics, Lecture and Laboratory will give four (4) hours' credit.

**Fees:** A Tuition Fee of fifteen dollars (\$15.00) is charged for the full course or any part of it.

#### COURSES

**Mathematics**—College Algebra.

**EXTENSION COURSE, 1921-1922**

**Sociology**—(Rev. Albert Muntsch, S. J.) Social Institutions: the Family, the State, the Church, the School, Private Property.

The course emphasizes those features that are of interest to the teacher and presupposes some knowledge of social problems in general.

**Latin**—Course I. Cicero, *Somnium Scipionis*, *Orationes in Catilinam*. Course II. Vergil's *Aeneid*—Books I-VI. A Study of the Latin Hexameter.

**History**—The principles of historical research, applied to American History.

**Ethics**

**General Ethics**: Science of Ethics; Nature, object and necessity of the study. Fundamental principles; false theories of life and human conduct. End and destiny of man; Right and Wrong; merit and accountability; Morality; False Standards of Morality; Human conduct bound by Law. Eternal Law; Natural Law; properties and sanction of Law. Theories of origin of moral obligation. Conscience.

**Special Ethics**: Rights and Duties. Man the subject of right and duty. False notions of man's liberty. Man's relations to God, to self and to his fellowman. His rights and duties in these relations.

**French Literature**—Lectures and Conferences.

—The Middle Ages—The Renaissance.

—The XVII and XVIII Centuries.

—Contemporary Epoch—The Future of the French Literature.

—Oral Translations—Literary Criticism—Lanson's point of view.

—French Diction.

—Textbook: A History of the French Literature by Edward Dowden, University of Dublin.

## Extension Course

### Register of Students

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## COLLEGE OF ARTS AND SCIENCE.

Summer Session, 1921

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Rev. William A. Padberg, S.J.	.....	Professor of Psychology
Rev. Louis J. Puhl, S.J.	.....	Professor of Chemistry
Rev. Alphonse R. Schmitt, S.J.	.....	Professor of Physics
Rev. Theodore J. Schulte, S.J.	.....	Professor of Mathematics
Rev. Thomas A. Wallace, S.J.	.....	Professor of Ethics

## CALENDAR.

Registration—June 20.

Classes Commence—June 21.

Classes Close—July 30.

## LOCATION.

The courses in science and mathematics are given at the University, Grand and Pine. All the other courses are given at the Academy of the Sacred Heart, Taylor and Maryland Avenues.

## FEES.

A tuition fee of fifteen dollars (\$15.00) will be charged for the full course or any part of it.

### ADMISSION.

The course is open to members of the various Sisterhoods as well as to Public School teachers. All candidates for degrees must present entrance credits amounting to fifteen units. A unit represents 36 weeks in a High School subject pursued four or five periods a week.

### COURSE OF STUDIES.

#### Chemistry.

Credit, 4 Hours.

9:20 A. M.

A brief repetition of Chemical Theory. Study of the Base-forming Elements. Principles of Analysis.

Text: McPherson and Henderson. "Course in General Chemistry."

#### Cosmology.

Credit, 2 Hours.

11:10 A. M.

Pantheism, Materialism, Creationism, Evolution, Teleology, Miracles, their possibility and knowability.

#### English.

Credit, 2 Hours.

10:20 A. M.

The Essay—Its structure and development. The informal essay and essayists. The historical, critical and philosophical essay.

#### Ethics—Special Topics.

Credit, 2 Hours.

10:20 A. M.

The true standard of morality—false standards. Ownership—Socialism—Wages—Contracts—The nature of domestic and civil society—Divorce—Education—The origin of civil authority—International law.

**French.**

Credit, 2 Hours.

9:20 A. M.

Repetitions of more difficult portions of grammar together with irregular verbs; conversational exercises based on selections of class-room work; paraphrases, abstracts and reproductions from memory of select portions of matter read; more difficult portions of syntax emphasized; reading of French prose of ordinary difficulty; writing French from dictation; composition; letter-writing, conversation.

Texts: Grammar: "The New Chardenal."

Reading: Daudet: "Le petit chose."

Renard: "Trois contes de Noël."

**History.**

Credit, 2 Hours.

11:10 A. M.

XV Century to date. Fall of Constantinople. Proud Wisdom. Ecclesiastical Anarchy. Ximenes Prints His Bible. The World Faces the Atlantic. An Epoch of Saints and Scholars.

Europe Distributes America. Separation of Church and State. The Grand Monarch. Eastern Europe Emerges. The Martyrdom of Poland.

Self-government in Men and Nations. Specialized Intelligences—Napoleon, Metternich, Rothschild. The Industrial Revolution. Prussia Arrives. Religion at Work.

The Empire of the Seas. The Yellow Man Comes Into the Nations. The Supreme Achievement of Science. Can We Make it a Pacific Ocean? The Striking Hour of America's Catholicity.

**Latin.**

A practical study of the style of Cicero and Livy.

Course I. Credit, 2 Hours.

8:30 A. M.

Texts: Kleist's "Aids to Latin Prose Composition."

Kleist's "Practical Course in Latin Composition."

Prerequisite: A complete course in High School Latin.



Course II. Credit, 2 Hours.

9:20 A. M.

A practical study of the Latin Subordinate Clause.

Text: Bennett's Latin Grammar.

Prerequisite: A Knowledge of Latin Etymology and the Fundamental Rules of Syntax.

### **Mathematics:**

Credit, 2 Hours.

Course I. Trigonometry.—(Wentworth-Smith). 8:30 A. M.

Course II. Analytic Geometry—(Wentworth-Smith and Siceloff). 8:30 A. M.

### **Physics.**

Credit, 4 Hours.

9:20 A. M.

A brief review of introductory Mechanics. Electricity and Magnetism, Wireless Telegraphy and Telephony. Daily lectures and laboratory.

### **Psychology.**

Credit, 2 Hours.

8:30 A. M.

Special Topics: The Principle of Life—Animal Intelligence—The Soul of Man—Intellect and Sense—Free-will and Determinism—Personality, Dualism and Monism.

### **Spanish.**

Credit, 2 Hours.

8:30 A. M.

Grammar, Conversation, Composition, and Readings.  
(DeVitis.)

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## Acknowledgments

The University, like every other private educational institution, is dependent on its friends for every necessary aid in prosecuting and developing its work, and it trusts to their generosity and their zeal for the higher things for help in bringing desired improvements to a successful issue. The President and Faculty wish to express their grateful acknowledgments for the kindly spirit manifested by those who are active in forwarding the interests of the University.

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Mrs. Fred J. Sloctemyer, Cincinnati, O.

The classes in the School of Philosophy and Science of 1921-1922, and their relatives and friends.

**To the Science Department:**

The Kelly-Koett X-Ray Machine Co., St. Louis, through L. C. Niedner—A Sheidel-Western X-ray machine.

Mrs. C. Tompkins, Jr., a set of six water color photographs and of 25 photogravures of views in Yellowstone Park; a set of 85 photographs of scenes in Palestine and Egypt.

**To the Museum:**

Hereford, Robert A., a collection of shells and Philippine curios.  
Messrs. Jacoby, Foster, Gibbons, Mahoney, Donohue and Ewing of the Geology Class of 1921-1922—geological specimens from the neighborhood of St. Louis; labeling and arranging the same.

Tracy, William J., S. J., specimens of barytes and lead ore.

Budde, Rev. Chas. A., Egan, Louis B., labeling and arranging a collection of specimens from Pine Ridge Reservation, South Dakota.





Alumni and Student  
Organizations

## Sodality of the Blessed Virgin Mary

Erected 1835

Director: Rev. Bernard A. Foote, S. J.

This society is a branch of an organization existing in almost every part of the world. Its object is the mutual aid and encouragement of its members in works of piety and charity. The exercises consist of weekly meetings, with the recitation of the Office of the Blessed Virgin and an instruction on some phase of Christian life; the monthly reception of the sacraments of penance and Holy Eucharist; and such activities as are compatible with the circumstances of the members.

### Collegiate Division

#### Officers

William Korfmacher.....	Prefect
F. Hamilton Thornton .....	First Assistant Prefect
Thomas Colfer .....	Second Assistant Prefect
Theodore Weber.....	Secretary
Raymond Schenk .....	Treasurer
Kevin Walsh .....	Sacristan
Anselm Murphy } .....	Assistants
Robert Howland }	

#### Censors.

Bernard Flotte.....	} —Consultors—	Thaddeus Maslanka
Richard Steele.....		Edward McCarty
Joseph Wich.....		Edward Hunleth

### The University Sodality

Moderator: O. J. Kuhnmuensch, S. J.

This Society was begun in October, 1914, for the Catholic students of the Post-Graduate Courses. It makes it easy for its members to strive after and to attain that strong manly piety so desirable at the present time. It also affords many excellent means for the perfecting of the thorough Catholic Professional man. Under the auspices of the Sodality a three-days' retreat is given every year for all the Catholic Students of the University.

#### Officers

Francis H. Kennedy.....	Prefect—Law
James P. Sharon.....	Prefect—Medicine
William V. Brennan.....	Prefect—Dentistry
John C. Rawe, Sen. Law.....	{ Consuls { James Cozzens, Fresh. Med. { Harold Roach, Fresh. Dent. { Thomas Dodge, Fresh. Law { Louis Hitzeman, II Premed. { Anthony Brennan, I Premed.
Paul Ferry, Sen. Med.....	
John Lippold, Sent. Dent.....	
J. Roy Barton, Jun. Med.....	
Chas. Ploussard, Soph. Med.....	
Jos. Lundergan, Soph. Dent.....	



## Alumni Association

Organized Nov. 18, 1869; Reorganized 1888

Its object is "to strengthen the ties which unite the members to each other, and to the Institution at which they were educated." The constitution provides that any graduate or student of the St. Louis University may become a member of the Association, subject to the rules therein specified. Meetings for the purpose of social reunion are held at stated times.

### Officers

Mr. John C. Tobin.....	President
Mr. Francis Denvir.....	First Vice-President
Mr. Edward A. Downey.....	Recording Secretary
Mr. Harry Padberg.....	Corresponding Secretary
Mr. Alphonse G. Eberle.....	Treasurer
Mr. Benjamin F. Thomas, Jr.....	} Rules Committee
Mr. W. Maffitt Bates.....	
Mr. Chris. J. Muckermann.....	
Mr. Thomas J. Dooley.....	} Scholarship Committee
Mr. Alphonse E. Ganahl.....	
Mr. Chris. J. Kehoe.....	
Rev. Henry A. Hermans, S. J.....	Faculty Delegate

## STUDENT CONCLAVE

All the students of the departments of the University are members of the Student Conclave. Two representatives are elected by the students and one chosen by the Dean from each department having a four-year course, and one representative is elected from the Departments having two years or less, these representatives forming the legislative and executive council.

The purpose of the Conclave is to stimulate and direct student activities, to co-operate with the faculty in everything that concerns the good of the University, to generally further the interests of the Student Body.

### Officers, 1921-1922

L. I. Clark, President.....	Medical Dept.
L. D. Honig, Vice-President.....	Law Dept.
T. F. Colfer, Recording Secretary.....	Arts Dept.
J. M. Lundergan, Corresponding Secretary.....	Dental Dept.
W. J. Boos, Treasurer.....	Commerce and Finance Dept.
Rev. T. J. Schulte, S. J.....	Faculty Delegate

### Representatives

Arts Department	Medical Department
Thomas F. Colfer	Lawrence I. Clark
James Byrne	Edgar J. Hermes
Martin Fellhauer	Charles M. Wilhelmj
Law Department	Dental Department
Charles O. Butler	Joseph M. Lundergan
Lawrence D. Honig	John L. Moriarity
John B. Sullivan	Austin J. Sheets
Commerce and Finance Department	Pre-Medic Department
Wilfred J. Boos	Lloyd A. Masterson
Edgar F. Meinhardt	Federal Board
	Godfrey Longhoffer

## STUDENT PUBLICATIONS

### The Fleur de Lis—The Varsity Breeze—The Archive

The students of the University, under Faculty supervision, issue three publications, a quarterly magazine, a newspaper and a year-book. The editorial staff for each publication, and the editor-in-chief for the three, are chosen by the students themselves. The director receives his appointment from the Rector of the University. The business management is entirely in the hands of the students, and thus, with editorial duties, reporting, advertising and securing of subscribers, they are made conversant with many phases of life outside of college.

The literary magazine, the Fleur de Lis, was begun in 1900, and with the exception of the years when the World War threw college-life into confusion, it has been regularly issued by the students of the Arts and Sciences Department of the University. The Fleur de Lis during the whole time of its career, has deserved a high place in the list of college publications of this class.

During the war, the students began to think of a newspaper for the University, and the idea blossomed, in 1919, into the "Billiken," later called by the name of the old magazine, Fleur de Lis. It was decided to resume the publication of the magazine, and from the date of the decision in September, 1921, the newspaper has been published under the name of the Varsity Breeze. It has won for its publishers the praise of many competent critics as a college paper of high merit.

At intervals, in the past, there appeared year-books of the University, but they were individual enterprises, and they could not survive the hardships of so precarious an existence. Financial disaster was inevitable with no well organized body to secure the funds and pay the printing expenses. This year the Student Conclave plan met with universal approval of the student-body. It was decided to establish a student-tax for University activities, and one of the activ-

ities specified was the University publications. A Year-Book was to be prepared with funds voted from the student-tax. This secures to every University man enrolled one copy of the Archive, the year-book of the St. Louis University, and one copy per issue of the Varsity Breeze.

The apportionment of the student-tax makes no allowance for the Fleur de Lis, so the literary magazine is dependent for its existence on the efforts of the editors and business managers to secure advertising and subscriptions. The Year-Book and the Breeze are supported by the student-tax and by advertisements. Following are the names of the editors and managers of the Student publications for the session 1921-1922:

#### Fleur de Lis Staff

Faculty Director.....	Joseph A. Murphy, S. J.
Editor in-Chief.....	William C. Korfmacher, '22
Editor.....	John S. Johnson, '24
Associate Editors.....	{ F. Hamilton Thornton, '22 Kevin J. Walsh, '24
Exchange Editor.....	Clement J. Cruse, '24
Secretary-Treasurer.....	Martin Fellhauer, Jr., '24
Business Manager.....	Anselm B. Murphy, Jr., '24
Alumni Editor.....	Charles V. H. Roberts, '01
Athletic Editor.....	James Byrne, '22
Circulation Managers.....	{ Fred W. Hausgen, '22 Carl J. Pfeiffer, '25 Carolann J. Walsh, '25

#### Varsity Breeze Staff

Faculty Director.....	Joseph A. Murphy, S. J.
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#### Editors.

Editor-in-Chief.....	William C. Korfmacher
Managing Editor.....	Joseph A. Hardy, Jr.
Assistant Editor.....	John C. Rawe
Alumni and Social Editor.....	Anselm B. Murphy, Jr.
Comic Editor.....	Kevin A. Walsh
Personals Editor.....	Raymond A. Schenk
Exchange Editor.....	Clement J. Cruse
Sport Editors.....	{ James Byrne Philip G. Rohan
Art Editors.....	{ Francis X. Moose Harry Kemp



## Associate Editors

C. and F. Department.....	Harry Klein
Dental Department.....	Edwin H. Sellmeyer
Federal Board Bureau.....	G. A. D. Hart
Day Law Department.....	Charles O. Butler
Night Law Department.....	William A. Ratican, Jr.
Medical Department.....	
Pre-Medical Department.....	A. A. Wild

## Reporters

R. T. Curren	Lee J. Muren
Edwin J. Cunningham	Edward Neenan
Firmin Fusz	Henry Pieper
Edward Greenan	Vincent Quinn
James Higgs	A. Radman
Charles Hodge	Gerald Riley
Godfrey F. Langhofer	James Sullivan
King McElroy	James M. Weaver
George C. Williams	

## Business Staff

Business Manager.....	T. F. Colfer
Advertising Manager.....	F. Campbell Ryan
Circulation Manager.....	Fred W. Hausgen
Circulation Assistants.....	{ Carl V. Pfeiffer
	{ Carolan J. Walsh

## Archive Staff

Faculty Director.....	Joseph A. Murphy, S. J.
Editor-in-Chief.....	F. Hamilton Thornton
Managing Editor.....	John Rawe
Associate Editor.....	Geret Gossow
Associate Editor.....	J. L. Zoulek
Associate Editor.....	F. O'Meara
Associate Editor.....	H. J. Morgan
Associate Editor.....	Thomas Miller
Associate Editor.....	William A. Kirchoff
Associate Editor.....	W. R. Hodges
Art Editor.....	Thomas F. Colfer
Sport Editor.....	Joseph A. Hardy, Jr.
Calendar Editor.....	Anselm Murphy, Jr.
Business Manager.....	Charles O. Butler
Advertising Manager.....	William J. Becker
Circulation Manager.....	Fred W. Hausgen

**Students' Library Association**

Organized 1855.

Moderator: Mr. J. L. Maline, S. J.

It administers that section of the University Library which has been applied to the general use of the undergraduates and selected for their special needs. In connection with the Library is a reading room, which affords ample opportunities for acquiring information upon current topics and forming sound opinions upon important questions. Thirty-three leading magazines, reviews and journals, and a valuable collection of works of reference are at the service of the members.

**Librarians**

Fred Hausgen  
Bernard Gerwitz  
Frederick Hempel  
John Wahl

George Ganss  
Andrew Hoy  
John McDonald  
Paul Rau

John Black

**College Lecture Club**

Director: Mr. Joseph A. Gschwend, S. J.

The Lecture Club is a student organization established for the purpose of giving illustrated lectures on inspiring Catholic subjects. The members of the club have spared neither pains nor labor in making each lecture interesting as well as historically accurate, in carefully preparing the speakers, and in gathering from all available sources in Europe and America, the best and most attractive illustrations of the subjects chosen for treatment. The lectures are given in Catholic schools, institutions, parish halls and before Catholic organizations.

### **Academy of Sacred Eloquence**

Moderator: Rev. Thomas F. Wallace, S. J.

Special attention to sacred eloquence is given by students of the Philosophical Department who are preparing for the School of Divinity. Each student is required to write a sermon on a given text, and, after its approval, to deliver the same before the Faculty and students. Besides this, weekly meetings are held, at which the students, in regular succession, give brief sermons on assigned texts and render selections from Holy Scripture or Pulpit Oratory. The criticism then given is summed up by the moderator.

### **Campion English Academy**

Moderator: Mr. Charles E. Mallon, S. J.

This society, organized in 1890, is composed of students of the graduate School of Philosophy and Science. The object is to give members opportunity for maintaining and developing literary interests by the hearing and handling of assigned topics in criticism. The meetings are fortnightly.

### **Academy of Oratory**

Moderator: Mr. Thomas D. Ewing, S. J.

This Academy of the School of Philosophy and Science includes within its scope the various forms of public speaking. Its purpose is to develop proficiency in oratory. To this end it aims to provide an incentive, the actual conditions of public speaking, and criticism. Formal meetings are usually held fortnightly, and supplementary meetings every week.

## The Academy of Philosophy and Science

Moderator: Mr. Leon A. Foster, S. J.

This Association is composed of students of the Graduate Schools of Philosophy and Science. The object of the Academy is to encourage original research and study; to afford its members an opportunity for the presentation of Philosophic and Scientific thought in a popular and elegant English dress; and in general to promote fluent writing, literary taste, and a cultured scholarship along philosophical and scientific lines.

### The Course of Lectures

1921-1922

October 26.....	Mr. J. A. Renshaw
<b>A Priceless Heritage</b>	
November 9.....	Mr. H. A. Norton
<b>Immortality</b>	
November 23.....	Mr. A. J. Keller
<b>The Theory of Immunity and Its Practical Application</b>	
December 14.....	Mr. F. J. Mahoney
<b>The Corner Stone of Chemistry</b>	
January 4.....	Mr. R. M. Russell
<b>Therapeutic Value of Compressed Yeast</b>	
January 18.....	Mr. T. D. Ewing
<b>The Touch-stone of Politics</b>	
February 1.....	Mr. W. F. Roemer
<b>The Disarmament Shibboleth</b>	
February 15.....	Mr. C. F. Hill
<b>Structural and Constitutional Changes in the Cell</b>	
March 8.....	Mr. J. P. Markoe
<b>The Logic of Discipline</b>	
March 22.....	Mr. W. J. Holton
<b>The Ethics of War</b>	
April 5.....	Mr. J. R. Gibbons
<b>Instinct of Bees</b>	



### Theological Academy

Moderator: Mr. Martin J. Phee, S. J.

This society is composed of students of the Divinity School. Meetings are held bi-weekly, at which questions in Dogmatic and Apologetic Theology, in Biblical History and Exegesis are presented and discussed by the members.

1921-1922

November 16.....	Mr. W. H. McGucken
<b>The Cult of Psychoanalysis</b>	
November 30.....	Rev. F. M. Menager
<b>The Practice of Holy Communion in the Patristic Age</b>	
December 21.....	Mr. C. L. Crotty
<b>Through the Drama to Moral Slavery</b>	
January 11.....	Rev. E. J. Morgan
<b>Prohibited Trading for Clerics</b>	
January 25.....	Mr. L. G. Weitzman
<b>The Problem of Reserved Cases</b>	
February 8.....	Mr. J. J. Keefe
<b>The Purpose of Extreme Unction</b>	
March 1.....	Mr. A. S. Pettit
<b>"Diatheke"</b>	
March 15.....	Mr. J. V. Kelly
<b>Third Orders in America</b>	
March 29.....	Mr. M. M. O'Connor
<b>The Roman Question</b>	
April 26.....	Mr. G. C. Ring
<b>The Religion of John Ruskin</b>	

### History Seminar

Moderator: Rev. Francis X. Mannhardt, S. J.

The object of the History Seminar is to train the critical judgment of the historical investigator.

The method followed is that known as the essay method, in which the work is done in essays on assigned topics prepared by members of the seminar.

Disputed points in Church History form the basis of the year's work.

## The High Schools And Commercial Department of St. Louis University

The Annual Catalogue, containing the names of Officers and Faculty, the Register of Students, the Course of Studies and information regarding the discipline, method, equipment, expenses, etc., is issued in June of each scholastic year. Classical, Scientific, English and Commercial Courses are offered in the High Schools.

Address:

**Rev. Anthony Berens, S. J.**, Loyola Hall, Compton and Eads Avenues, St. Louis, Mo.

**Rev. William J. Ryan, S. J.**, St. Louis University.  
Grand Avenue and West Pine Boulevard, St. Louis, Mo.

### Scholarships

The University offers seven Free Scholarships this year to the boys of the Parish schools of the Archdiocese of St. Louis and vicinity. These scholarships will be awarded by competitive examinations to boys of the Eighth Grade. The candidate who passes the best examination will receive a scholarship covering both the High School and College courses; its value is \$720. The six other successful competitors will receive a scholarship in the High School; its value is \$320.

The examinations will be held on

SATURDAY, MAY 6, 1922.

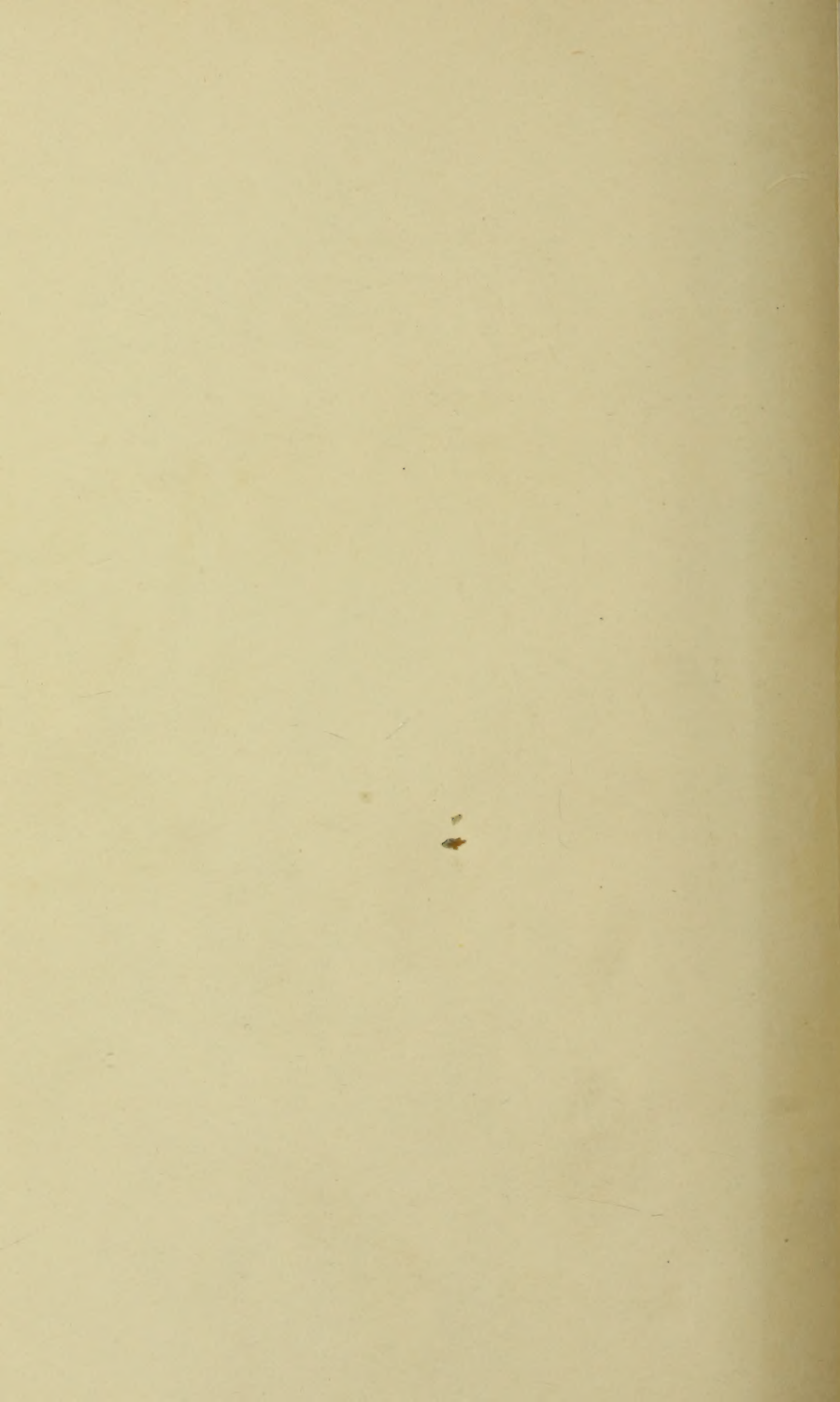
at 9 A. M., in the St. Louis University, Grand Avenue and West Pine Boulevard.





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